



NORC

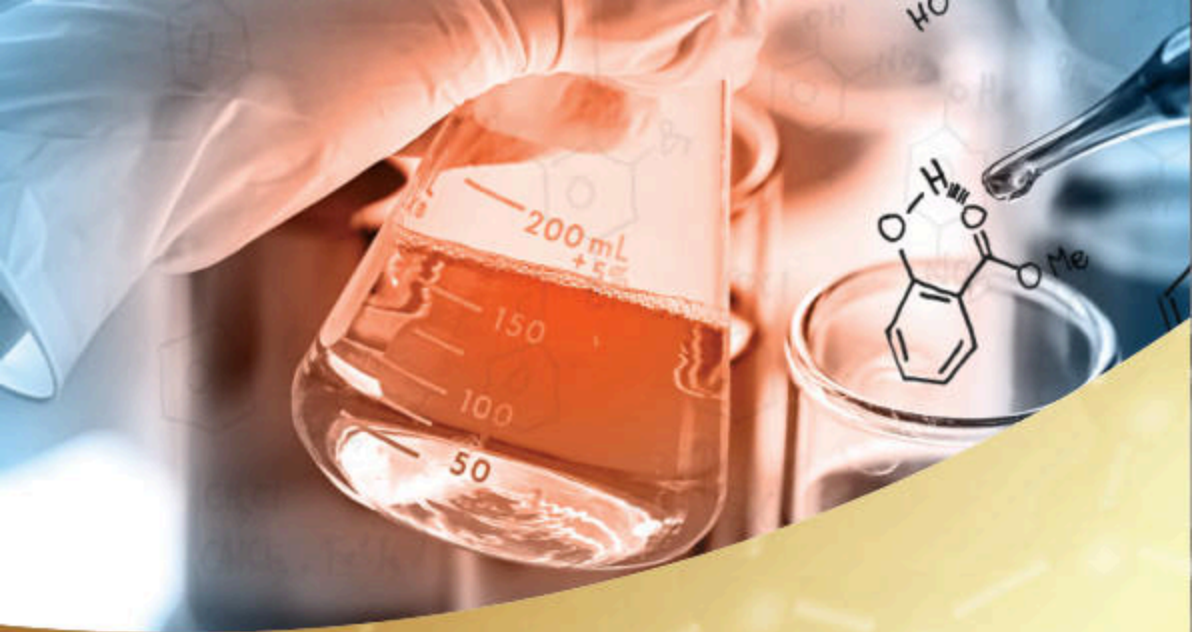
NANO OIL REFINING COMPANY GmbH

Geniusly
Engineered



NORCPROFILE

www.norc-germany.de



**" We are not about making imitations,
but engineering quality from the ground up "**

Nano Oil Refining Company NORC GmbH

www.norc-germany.de



Geniusly
Engineered

ABOUT NORC

We are Nano Oil Refining Company "NORC" GmbH. A German based limited-liability Company that was incorporated in 2014 in Hamburg - Germany, to be one of the most leading brands in the field of oil & petrochemicals. We may be new to you, but we are really not.

Our heritage goes back to decades ago. Since 1980's, we've been a behind-the-scenes petrochemicals research & development company. And we have now proudly stepped into the spotlight with our innovative maintenance solutions under the "NORC" brand name. We research, develop, make and market a wide range of NORC lubricants, service fluids, additives, greases, maintenance sprays for the automotive, marine and industrial sectors, including NORC specialty products and maintenance solutions.

Our complete range of products / solutions is entirely made in Germany to exacting quality standards. Which means, our know-how, expertise & stringent quality control system guarantee NORC items to not only exceed established standards, but also ensure superior protection and / or performance.

MISSION & VISION

The core concept of establishing NORC was to specialize and engage directly in the developing, blending, manufacturing, supply, trading, and marketing of high quality lubricants, service fluids, petroleum additives, various specialty items and car care products, in order to satisfy customers and exceed their expectations.

The main objective is to maintain, protect, and implement best practices, thus achieve world class performance in the field of petrochemicals industry and specialty products supply business, while being committed to provide excellence, reliability and professionalism through being an international trading house that provide customers with superior quality, innovated and highly sophisticated maintenance solutions.

Along with careful planning, stringent quality control system, motivated and skilled staff with years of experience in Germany and around the globe; NORC was able in a short period of time, to become a trust-worthy supplier serving its customer in the best way possible.



WHY NORC

Our advanced and stringent quality control production system & state of the art research and development facilities, made every produced item carrying the brand name "NORC" meet and / or exceed international quality standards such as those set by API, ACEA, ASTM, BS, JASO, ILSAC, ISO and others.

Our highly experienced and trained team at Nano Oil Refining Company guarantees quality & performance consistency, as well as ensures that our products / solutions comply with the service requirements of the world's leading manufacturers & OEMs.

NORC products mirror the heritage of our research & development expertise, and the insights we have gained from our presence in the market. We also believe that our understanding of the demands of the World market is second to none, thanks to the breadth of experience & depth of knowledge of our key people. The fact that we have already become one of the primary suppliers to several clients around the globe is a proof of the superiority of NORC products.

EELQMS

Nano Oil Refining Company NORC GmbH joined the European Engine Lubricants Quality Management System (EELQMS). We are committed to apply the EELQMS guidelines in the ATIEL Code of Practice, to develop and manufacture those engine lubricants for which compliance with ACEA Oil Sequences requirements. Our company name in the ATIEL List of Participants in the EELQMS is available to any interested party and published on the website: www.atiel.org.



QUALITY

NORC ist qualitt... That's right!

NORC is quality. Leading-edge German research, development & manufacturing define our NORC products. We are not about making imitations, but we are about engineering "quality" from the ground up. Our obsession with quality includes subjecting our products to a Series of comprehensive quality tests before they can bear the NORC name, and begin their journey to our quality-conscious customers. NORC products guaranteed to have performance consistency, meet and / or exceed the quality benchmarks set by international standard-setting organizations and the world's leading manufacturers & OEMs.

THE NANO TECHNOLOGY

Through years of research & development in the field of tribology, Nano Oil Refining Company Scientists were able to successfully apply New concepts in the field of lubricants blending and development. The basic concept was how to precisely develop a lubrication film that is strong enough to withstand higher temperatures and pressures, but at the meantime, light enough not to cause unnecessary efforts, which could lead at the end to a severe mechanical components fatigue. Adopting the new technology in producing our products came up with an outstanding results, where our finished products offered double the protection and the lubrication properties, while achieving better fuel and oil consumption rates, as well as, an improved mechanical components longevity.

THE BASIC CONCEPT

Whenever friction takes place, the implanted friction modifier particless in the hydro-carbon molecular chain tend to bond themselves to the metal surface utilizing the heat and pressure generated by friction and extreme loads. The bond thickness is no bigger than the size of the average hydrocarbon molecule. Simply, it is not a formation of a thick film, but a chemical interaction between the surface metal molecules and the chemical components within the oil. By improving the smoothing effect and reducing the possibilities of metal wear under contact, NORC lubricants allow the metal surfaces to work in harmony for an efficient protective operation and energy saving mechanism.

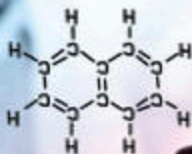
MAIN ADVANTAGES

- Outstanding ability to withstand high pressure & heat.
- Excellent smoothening effect.
- Improve protection by reducing wear.
- Improve energy & fuel efficiencies.
- Reduce downtime & cost.

PACKAGING & LABELLING

Depending on market and/or customer's needs, our canisters reflect quality and durability in every single detail. Our developed range has different capacities with NORC logo engraved or clearly represented, in order to reflect the heritage and value of our production. Our market understanding gave us the flexibility to quickly adopt to market requirements, so depending on where the final product is intended to be sold, our marketing department is always ready to do the necessary changes when it comes to packaging and labelling, taking into consideration the global variations.





WHAT DO WE PRODUCE?

Our extensive experience in the automotive, marine and industrial fields, allowed us to fully research, develop, make and market a wide variety of products. NORC's synthetic, semisynthetic and mineral lubricants, fluids, and petroleum additives are engineered using the highest quality base stocks, along with carefully selected additive packages. Our range guarantees the highest performance standards and performance consistency.

WHAT DISTINGUISHES NORC'S PRODUCTS RANGE?

The main advantage of NORC products range compared to others is the newness, and the modernity of production lines. Furthermore, the big influence caused by the recently adopted quality control system and the technology used. Most of competitors have invested in their production lines and technology applied years ago, which makes it unfeasible for them to do it so often. Therefore, regardless of the time or location of production, every single NORC product is manufactured with the highest standards, and performance consistency around the clock.

OUR PRODUCTS RANGE



**Automotive
Products**

**Marine
Products**



**Industrial
Products**

**Specialty &
Customized
Products**



AUTOMOTIVE PRODUCTS

NORC automotive solutions breathe new life into vehicles, restore them to near-new condition, boost overall performance, improve fuel efficiency and help reduce pollution. We are a licensed manufacturer of a wide range of products including: car care and maintenance products precisely designed to help you easily restore the overall look of your vehicle, and do a professional vehicle service without the hard work.

OUR AUTOMOTIVE RANGE INCLUDES BUT NOT LIMITED TO:

- Lubricants & Service Fluids
- Fuel Additives
- Oil Additives
- Service Additives
- Maintenance Sprays & Chemicals
- Car Care

MARINE PRODUCTS

Researching, developing and making high-quality marine lubricants & fluids, on the other hand, is somewhat of a specialty at Nano Oil Refining Company GmbH. In fact, NORC main- & minor-grade marine lubricants are state-of-the-art solutions and even exceed OEM specifications. Excellent deposit & wear control is the hallmark of NORC marine engine oils. The NORC range meets the demands of the most modern & highly rated engines as well as other applications.

OUR MARINE RANGE INCLUDES BUT NOT LIMITED TO:

- Cylinder Lubricants
- System Oil
- Trunk Piston Engine Oils
- Hydraulic Oils
- Gear Oils
- Turbine Oils
- Compressor Oils
- Refrigeration Oils
- Greases

INDUSTRIAL PRODUCTS

The NORC range of superior quality industrial lubricants & oils is suitable for a wide variety of applications, including hydraulic systems, turbines, compressors, bearings, open & closed gears, machine tool slide ways, chainsaws, transformers and heat-transfer equipment.

OUR INDUSTRIAL RANGE INCLUDES BUT NOT LIMITED TO:

- Gear Oils
- Hydraulic Oils
- Turbine Oils
- Compressor Oils
- Heat Transfer Oils
- Transformer Oils
- Greases

SPECIALTY PRODUCTS

The NORC product portfolio also includes specialty products used in different fields for different applications, such as: the food industry and wherever health or environment is a major key factor. Regardless of the consumption's profile needed for your machinery, there is always a NORC product perfect for your requirements.

OUR SPECIALTY RANGE INCLUDES BUT NOT LIMITED TO:

- Food Grade Products
- Biodegradable Products
- Photodegradable Products
- Customized Products



SOME OF OUR POPULAR PRODUCTS

The products range included in this catalogue is designed to only provide the necessary information of NORC products which have been developed to meet the latest automotive, industrial, and marine applications. Many other specialties and more products details not included due to space limitations. Therefore, if you have any particular request or in need for detailed information regarding any of our products, kindly do not hesitate to contact us.

NORCHYPERTech™

Fully Synthetic Low Viscosity Engine Oil

0W20

API SN

PRODUCT DESCRIPTION

NORC HYPERTech SAE 0W-20 is premium multi-grade fully synthetic engine oil with lowered viscosity for an enhanced fuel economy properties. It protects against friction, heat, and corrosion, keeping engines healthy and efficient.

NORC HYPERTech SAE 0W-20 is manufactured using especially selected PAO synthetic base stock and state of the art additive package technology, reducing carbon and sludge build up even under severe driving conditions.

NORC HYPERTech SAE 0W-20 is optimally suited for hybrid vehicles and other modern vehicles requiring an extremely low viscosity engine oil. It is engineered to fulfill and / or exceed the performance requirements of ACEA A5/B5.

BENEFITS

- Advance fully synthetic formulation
- Enhanced fuel economy properties
- Excellent anti-wear characteristics
- Excellent low temperature capabilities
- Excellent overall lubrication performance
- Increase engine efficiency
- Long drain interval
- Prolong engine life



15,000
KM

100%
Synthetic

For Modern
Engines

Ultimate
Protection

Superior
Performance

Low Fuel
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	METHOD	SAE 0W20
Density @ 15°C	kg/L	ASTM D4052	0.857
Kinematic Viscosity @ 40°C	Cst	ASTM D445	45
Kinematic Viscosity @ 100°C	Cst	ASTM D445	8.4
Viscosity Index		ASTM D2270	167
Flash Point, COC	°C	ASTM D92	> 210
Pour point	°C	ASTM D97	≤ -42

SPECIFICATIONS

ACEA A5 / B5
API SN
ILSAC GF-5

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NORCENORM^{db}

Fully Synthetic Engine Oil

0W30

API SN/CF

PRODUCT DESCRIPTION

NORC ENORM db SAE 0W-30 is a superior fully synthetic ester based lubricating engine oil for an ultimate engine protection and performance. It has been formulated to protect against friction, heat and corrosion, keeping engines healthy and efficient. Appropriate for use to improve engine quietness and reduced emissions. Sustained horsepower and torque throughout the life of your engine with regular use.

NORC ENORM db SAE 0W-30 is a multi-grade engine oil especially developed and formulated with the finest synthetic base stocks and advanced additive technology, to keep engines healthy and efficient. It reduces carbon sludge build up under harsh driving conditions. It provides superior low friction with strengthened oil film for greater engine response and fuel efficiency.

NORC ENORM db SAE 0W-30 is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B4, and it is excellently suited for use in passenger cars equipped with benzine and diesel engines, both turbocharged and non-turbocharged.

BENEFITS

- Long drain interval
- Excellent corrosion protection
- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent carbon sludge reduction
- Improve engine longevity
- Low fuel and oil consumptions
- Superior low friction properties



15,000
KM

100%
Synthetic

For Modern
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Ultimate
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Superior
Performance

Low Fuel
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	METHOD	SAE 0W30
Density @ 15°C	kg/L	ASTM D4052	0.845
Kinematic Viscosity @ 40°C	Cst	ASTM D445	72.0
Kinematic Viscosity @ 100°C	Cst	ASTM D445	12.5
Viscosity Index		ASTM D2270	176
Flash Point, COC	°C	ASTM D92	> 200
Pour point	°C	ASTM D97	< -45

SPECIFICATIONS

ACEA A3 / B4
 API SN / CF
 VW 502.00 / 505.00
 BMW LL-01
 MB 229.3
 PSA B71 2296

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NORCENORM-C2^{db}

Fully Synthetic Engine Oil

0W30

ACEA C2

PRODUCT DESCRIPTION

NORC ENORM-C2 db SAE 0W-30 is a fully synthetic based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon or sludge build up even under severe driving conditions. It is optimally suited for use in PSA Group vehicles equipped with diesel particle filter systems.

NORC ENORM-C2 db SAE 0W-30 is manufactured using highest quality fully synthetic base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level. The modern manufacturing process ensures a top quality LOW-SAPS (Sulphated Ash, Phosphorous and Sulphur) finished product.

NORC ENORM-C2 db SAE 0W-30 is designed for an advanced passenger cars gasoline and diesel engines, both turbocharged and non-turbocharged including engines with diesel particulate filters ACEA C2, catalytic converters, and Exhaust Gas Recirculation (EGR) devices.

BENEFITS

- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Long drain interval
- Low oil & fuel consumptions
- Reduce carbon sludge build up
- Superior low friction characteristics



Long Drain
Interval

100%
Synthetic

For Modern
Engines

Ultimate
Protection

Superior
Performance

Low Fuel
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	METHOD	SAE 0W30
Density @ 15°C	kg/L	ASTM D4052	0.838
Kinematic Viscosity @ 40°C	Cst	ASTM D445	52
Kinematic Viscosity @ 100°C	Cst	ASTM D445	11.9
Viscosity Index		ASTM D2270	204
Flash Point, COC	°C	ASTM D92	> 220
Pour point	°C	ASTM D97	< -45

SPECIFICATIONS

ACEA C2
API SN / CF
FIAT 9.55535-GS1

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NORCENORM^{db}

Fully Synthetic Engine Oil

0W40

API SN/CF

PRODUCT DESCRIPTION

NORC ENORM db SAE 0W-40 is a Top-Class fully synthetic lubricating engine oil for an ultimate engine protection and performance. It has been formulated to protect against friction, heat and corrosion, keeping engines healthy and efficient. It improves engine's quietness and reduced emissions. Sustained horsepower and torque throughout the life of your engine with regular use.

NORC ENORM db SAE 0W-40 is a multi-grade engine oil especially developed and formulated with the finest synthetic base stocks and advanced additive technology, to keep engines healthy and efficient. It reduces carbon sludge build up under harsh driving conditions. It provides superior low friction with strengthened oil film for greater engine response and fuel efficiency.

NORC ENORM db SAE 0W-40 is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B4 and it is excellently suited for use in passenger cars and light trucks, equipped with benzin and diesel engines, both turbocharged and non-turbocharged.

BENEFITS

- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Excellent low temperature characteristics
- Long drain interval
- Low fuel and oil consumptions
- Reduce carbon sludge build up
- Superior low friction properties



15,000
KM

100%
Synthetic

For
Modern
Engines

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 0W40
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	81.2
Kinematic Viscosity @ 100°C	Cst	ASTM D445	12.5
Viscosity Index		ASTM D2270	187
Flash Point, COC	°C	ASTM D92	> 200
Pour point	°C	ASTM D97	-45

SPECIFICATIONS

ACEA A3 / B4
 API SN / CF
 VW 502.00 / 505.00
 BMW LL-01
 MB 229.5
 PSA B71 2296
 PORSCHE A40
 FIAT 9 55535-M2 / N2 / Z2

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NORCENORM^{db}

Fully Synthetic Engine Oil

5W20

API SN/CF

PRODUCT DESCRIPTION

NORC ENORM db SAE 5W-20 is manufactured using the highest quality fully synthetic base oils and state of the art additive technology, to ensure a finished product with an unmatched performance level and to provide sustained horsepower and torque with superb engine smoothness throughout the life of your engine.

NORC ENORM db SAE 5W-20 is strengthened with advanced synthetic oil additives to provide superior protection and heat tolerance compared with regular low viscosity oils in the market. Ultra-low viscosity designed for greater engine response and fuel efficiency. It offers increases HP and torque along with super smooth and quieter engine running. The significantly lower friction and strengthened oil film help to reduce CO₂ emissions and improve fuel economy.

NORC ENORM db SAE 5W-20 is engineered to fulfill and / or exceed the performance requirements of ACEA A1/B1, and it is excellently suited for use in modern light running, low emission engines with tight tolerances.

BENEFITS

- Excellent fuel economy properties
- Excellent low temperature capabilities
- Long drain interval
- Sustained horsepower and torque
- Superb engine smoothness and efficiency
- Superior engine protection and strengthened oil film



15,000
KM

100%
Synthetic

For
Modern
Engines

Ultimate
Protection

Superior
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Low Fuel
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W20
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	46.2
Kinematic Viscosity @ 100°C	Cst	ASTM D445	8.0
Viscosity Index		ASTM D2270	117
Flash Point, COC	°C	ASTM D92	> 200
Pour point	°C	ASTM D197	< -30

SPECIFICATIONS

ACEA A1 / B1
API SN / CF
ILSAC GF-4

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NORC ENORM-ECO^{db}

Fully Synthetic Engine Oil

5W30

API SL/CF

PRODUCT DESCRIPTION

NORC ENORM-ECO db SAE 5W-30 is a fully synthetic based formulation lubricating engine oil for an ultimate engine protection and performance.

NORC ENORM-ECO db SAE 5W-30 is a multi-grade engine oil especially developed and formulated with the finest synthetic base stocks and advanced additive technology, to keep engines healthy and efficient. It reduces carbon sludge build up under harsh driving conditions. It provides superior low friction with strengthened oil film for greater engine response and fuel efficiency.

NORC ENORM-ECO db SAE 5W-30 is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B4 and it is excellently suited for use in passenger cars and light trucks, equipped with benzine and diesel engines, both turbocharged and non-turbocharged.

BENEFITS

- Long drain interval
- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Low oil & fuel consumptions
- Reduce carbon sludge build up
- Superior low friction characteristics



15,000
KM

100%
Synthetic

For
Modern
Engines

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	Kg / L	ASTM D4052	0.880
Kinematic Viscosity @ 40°C	Cst	ASTM D445	68
Kinematic Viscosity @ 100°C	Cst	ASTM D445	11.2
Viscosity Index		ASTM D2270	164
Flash Point, COC	°C	ASTM D92	> 200
Pour Point	°C	ASTM D97	< -39

SPECIFICATIONS

ACEA A3 / B4
 API SL / CF
 MB 229.5
 BMW LL-01
 VW 501.01 / 502.00 / 505.00

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NORCENORM^{db}

Fully Synthetic Engine Oil

5W30

API SN/CF

PRODUCT DESCRIPTION

NORC ENORM db SAE 5W-30 is a unique fully synthetic lubricating engine oil for an ultimate engine protection and performance.

NORC ENORM db SAE 5W-30 is a multi-grade engine oil especially developed and formulated with the finest synthetic base stocks and advanced additive technology, to keep engines healthy and efficient. It reduces carbon sludge build up under harsh driving conditions. It provides superior low friction with strengthened oil film for greater engine response and fuel efficiency.

NORC ENORM db SAE 5W-30 is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B4, and it is excellently suited for use in passenger cars and light trucks, equipped with benzine and diesel engines, both turbocharged and non-turbocharged.

BENEFITS

- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Low oil & fuel consumptions
- Long drain interval
- Reduce carbon sludge build up
- Superior low friction characteristics



15,000
KM

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Engines

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Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	Kg / L	ASTM D4052	0.860
Kinematic Viscosity @ 40°C	Cst	ASTM D445	68
Kinematic Viscosity @ 100°C	Cst	ASTM D445	11.2
Viscosity Index		ASTM D2270	164
Flash Point, COC	°C	ASTM D92	> 200
Pour Point	°C	ASTM D197	< -30

SPECIFICATIONS

ACEA A3 / B4
API SN / CF
MB 229.5
VW 502.00 / 505.00
BMW LL-98

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NORCENORM-C1_{db}

Fully Synthetic Engine Oil

5W30

ACEA C1

PRODUCT DESCRIPTION

NORC ENORM-C1 db SAE 5W-30 is a fully synthetic based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon or sludge build up even under severe driving conditions. It is optimally suited for use in Ford and Mazda vehicles equipped with diesel particle filter systems.

NORC ENORM-C1 db SAE 5W-30 is manufactured using highest quality fully synthetic base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level.

NORC ENORM-C1 db SAE 5W-30 is designed for an advanced passenger car and diesel engines, both turbocharged and non-turbocharged including engines with diesel particulate filters (DPF) and three way catalyst (TWC), (ACEA C1).

BENEFITS

- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Long drain interval
- Low oil & fuel consumptions
- Reduce carbon sludge build up
- Superior low friction characteristics



Long Drain
Interval

100%
Synthetic

For
Benzin &
Diesel Engines
(Specially
DPF)

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	kg/L	ASTM D4052-09	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445-10	55.4
Kinematic Viscosity @ 100°C	Cst	ASTM D445-10	10.0
Viscosity Index		ASTM D2270-04	130
Flash Point, COC	°C	ASTM D92-05A (03)	> 220
Pour point	°C	ASTM D97-09	< -36

SPECIFICATIONS

ACEA A5 / B5 / C1
FORD WSS-M2C934-C
JASO DL-1

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NORCENORM-C2^{db}

Fully Synthetic Engine Oil

5W30

ACEA C2

PRODUCT DESCRIPTION

NORC ENORM-C2 db SAE 5W-30 is a fully synthetic based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon or sludge build up even under severe driving conditions. It is optimally suited for use in PSA Group vehicles equipped with diesel particle filter systems.

NORC ENORM-C2 db SAE 5W-30 is manufactured using highest quality fully synthetic base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level. The modern manufacturing process ensures a top quality Mid-SAPS (Sulphated Ash, Phosphorous and Sulphur) finished product.

NORC ENORM-C2 db SAE 5W-30 is designed for an advanced passenger cars gasoline and diesel engines, both turbocharged and non-turbocharged including engines with diesel particulate filters ACEA C2, catalytic converters, and Exhaust Gas Recirculation (EGR) devices.

BENEFITS

- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Long drain interval
- Low oil & fuel consumptions
- Reduce carbon sludge build up
- Superior low friction characteristics



Long Drain
Interval

100%
Synthetic

For
Benzin &
Diesel Engines
(Specially
DPF)

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	kg/L	ASTM D4052	0.855
Kinematic Viscosity @ 40°C	Cst	ASTM D445	64
Kinematic Viscosity @ 100°C	Cst	ASTM D445	11
Viscosity Index		ASTM D2270	165
Flash Point, COC	°C	ASTM D92	> 230
Pour point	°C	ASTM D97	< -42

SPECIFICATIONS

ACEA A5 / B5 / C2
API SN / CF
PSA B71 2290
FIAT 9.55535-S1
RENAULT RN 0700

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NORC ENORM-ECO C3[®] db

Fully Synthetic Engine Oil

5W30

ACEA C3

PRODUCT DESCRIPTION

NORC ENORM ECO-C3 db SAE 5W-30 is a fully synthetic based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon or sludge build up even under severe driving conditions.

NORC ENORM ECO-C3 db SAE 5W-30 is manufactured using highest quality fully synthetic base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level.

NORC ENORM ECO-C3 db SAE 5W-30 is designed for an advanced passenger cars gasoline and diesel engines, both turbocharged and non-turbocharged including engines with diesel particulate filters ACEA C3, catalytic converters, and Exhaust Gas Recirculation (EGR) devices.

BENEFITS

- Long drain interval
- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Low oil & fuel consumptions
- Reduce carbon sludge build up
- Superior low friction characteristics



Long Drain
Interval

100%
Synthetic

For
Benzin &
Diesel Engines
(Specially
DPF)

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	kg/L	ASTM D4052	0.856
Kinematic Viscosity @ 40°C	Cst	ASTM D445	69
Kinematic Viscosity @ 100°C	Cst	ASTM D445	11.5
Viscosity Index		ASTM D2270	162
Flash Point, COC	°C	ASTM D92	> 220
Pour point	°C	ASTM D97	< -42

SPECIFICATIONS

ACEA A3 / B4 / C3
 API SM / CF
 BMW LL-04
 MB 229.31
 GM DEXOS 2
 VW 502.00 / 505.00

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCENORM-C3_{db}

Fully Synthetic Engine Oil

5W30

ACEA C3

PRODUCT DESCRIPTION

NORC ENORM-C3 db SAE 5W-30 is a fully synthetic based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon or sludge build up even under severe driving conditions.

NORC ENORM-C3 db SAE 5W-30 is manufactured using highest quality fully synthetic base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level.

NORC ENORM-C3 db SAE 5W-30 is designed for an advanced passenger cars gasoline and diesel engines, both turbocharged and non-turbocharged including engines with diesel particulate filters ACEA C3, catalytic converters, and Exhaust Gas Recirculation (EGR) devices.

BENEFITS

- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Long drain interval
- Low oil & fuel consumptions
- Reduce carbon sludge build up
- Superior low friction characteristics



Long Drain
Interval

100%
Synthetic

For
Benzin &
Diesel Engines
(Specially
DPF)

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	kg/L	ASTM D4052	0.851
Kinematic Viscosity @ 40°C	Cst	ASTM D445	69.38
Kinematic Viscosity @ 100°C	Cst	ASTM D445	11.56
Viscosity Index		ASTM D2270	162
Flash Point, COC	°C	ASTM D92	> 220
Pour point	°C	ASTM D97	< -42

SPECIFICATIONS

ACEA A3 / B4 / C3
 API SN / CF
 BMW LL-04
 MB 229.51
 GM DEXOS 2
 VW 502.00 / 505.00 / 505.01

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NORCENORM-C3X_{db}

Fully Synthetic Engine Oil

5W30

ACEA C3

PRODUCT DESCRIPTION

NORC ENORM-C3X db SAE 5W-30 is a fully synthetic PAO and HC based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon or sludge build up even under severe driving conditions.

NORC ENORM-C3X db SAE 5W-30 is manufactured using highest quality base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level.

NORC ENORM-C3X db SAE 5W-30 is designed for an advanced passenger cars gasoline and diesel engines, both turbocharged and non-turbocharged including engines with diesel particulate filters ACEA C3, catalytic converters, and Exhaust Gas Recirculation (EGR) devices. It is suitable for all the modern Audi and VW diesel and gasoline engines requiring VW 504.00/507.00 specifications.

BENEFITS

- Enhanced anti-wear characteristics
- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Low oil & fuel consumptions
- Long drain interval
- Reduce carbon sludge build up
- Superior low friction characteristics



Long Drain
Interval

100%
Synthetic

For
Benzin &
Diesel Engines
(Specially
DPF)

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres (1)

1 Litre (2)

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	72.5
Kinematic Viscosity @ 100°C	Cst	ASTM D445	11.8
Viscosity Index		ASTM D2270	158
Flash Point, COC	°C	ASTM D92	> 220
Pour point	°C	ASTM D107	< -36

SPECIFICATIONS

ACEA A3 / B4 / C3
 API SM / CF
 BMW LL-04
 MB 229.51
 PORSCHE C30
 VW 504.00 / 507.00

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NORCENORM-C4^{db}

Fully Synthetic Engine Oil

5W30

ACEA C4

PRODUCT DESCRIPTION

NORC ENORM-C4 db SAE 5W-30 is a fully synthetic based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon or sludge build up even under severe driving conditions. It is optimally suited for use in Renault vehicles equipped with diesel particle filter systems.

NORC ENORM-C4 db SAE 5W-30 is manufactured using highest quality fully synthetic base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level.

NORC ENORM-C4 db SAE 5W-30 is designed for an advanced passenger cars gasoline and diesel engines, both turbocharged and non-turbocharged including engines with diesel particulate filters ACEA C4, catalytic converters, and Exhaust Gas Recirculation (EGR) devices.

BENEFITS

- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Long drain interval
- Low oil & fuel consumptions
- Reduce carbon sludge build up
- Superior low friction characteristics



Long Drain
Interval

100%
Synthetic

For
Benzin &
Diesel Engines
(Specially
DPF)

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	kg/L	ASTM D4052	0.854
Kinematic Viscosity @ 40°C	Cst	ASTM D445	68
Kinematic Viscosity @ 100°C	Cst	ASTM D445	11.6
Viscosity Index		ASTM D2270	166
Flash Point, COC	°C	ASTM D92	> 220
Pour point	°C	ASTM D97	< -36

SPECIFICATIONS

ACEA C4
RENAULT RN 0720
MB 226.51

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCENORM-C2/C3^{db}

Fully Synthetic Engine Oil

5W30

ACEA C2/C3

PRODUCT DESCRIPTION

NORC ENORM-C2/C3 db SAE 5W-30 is a compatible fully synthetic based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon and sludge build up under different driving conditions and ensures a high level of fuel consumption.

NORC ENORM-C2/C3 db SAE 5W-30 is manufactured using the highest quality synthetic base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level.

NORC ENORM-C2/C3 db SAE 5W-30 is designed for an advanced passenger cars gasoline and diesel engines, both turbocharged and non-turbocharged including engines with diesel particulate filters ACEA C2 and C3, catalytic converters, and Exhaust Gas Recirculation (EGR) devices.

BENEFITS

- Outstanding fuel economy
- Low oil consumption
- Long drain interval
- Improve engine efficiency and longevity
- Excellent thermal and oxidation stability
- Excellent engine protection under harsh driving conditions
- Reduce sludge and carbon build up
- Superior low temperature and frictional characteristics



Long Drain
Interval

100%
Synthetic

For
Benzin &
Diesel Engines
(Specially
DPF)

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	Kg / L	ASTM D4052	0.850
Kinematic Viscosity @ 100°C	Cst	ASTM D445	11.5
HTHS @ 150°C		ASTM D5481	3.5
Sulphated Ash		ASTM D874	< 0.8
Viscosity Index		ASTM D2270	150
Flash Point	°C	ASTM D92	> 230
Pour Point	°C	ASTM D97	< -42

SPECIFICATIONS

ACEA A5 / B5 / C2 / C3
 API SN / CF
 MB 229.52
 PSA B71 2290
 FIAT 9.55535-S1
 GM DEXOS 2
 VW 502.00 / 505.01
 RENAULT RN 0700

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NORC ENORM-C2/C3X^{db}

Fully Synthetic Fuel Economy Engine Oil

5W30

ACEA C2/C3

PRODUCT DESCRIPTION

NORC ENORM-C2/C3X db SAE 5W-30 is a compatible fully synthetic based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon and sludge build up under different driving conditions and ensures a high level of fuel consumption.

NORC ENORM-C2/C3X db SAE 5W-30 is manufactured using the highest quality synthetic base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level for engines require low viscosity and Mid SAPS oils.

NORC ENORM-C2/C3X db SAE 5W-30 is designed for an advanced passenger cars gasoline and diesel engines, both turbocharged and non-turbocharged including engines with diesel particulate filters ACEA C2 and C3, catalytic converters, and Exhaust Gas Recirculation (EGR) devices.

BENEFITS

- Excellent fuel economy properties
- Low oil consumption
- Long drain interval
- Improve engine efficiency and longevity
- Excellent thermal and oxidation stability
- Excellent engine protection under harsh driving conditions
- Reduce sludge and carbon build up
- Superior low temperature and frictional characteristics



Long Drain
Interval

100%
Synthetic

For
Modern
Engines

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Kinematic Viscosity @ 100°C	Cst	ASTM D445	9.5 - 12.5
Viscosity @ -30 °C		ASTM D5299	< 6600
HTHS @ 150°C		ASTM D6481	3.5
Sulphated Ash		ASTM D874	< 0.8
Viscosity Index		ASTM D2270	154
Flash Point	°C	ASTM D92	> 220
Pour Point	°C	ASTM D97	< -42

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NDRC GmbH" holds its right to make modifications.

SPECIFICATIONS

ACEA C2 / C3
 VW 504.00 / 507.00
 BMW LL-04
 MB 229.52
 PORSCHE C30
 PSA 871 2290
 GM OPEL DEXOS 2

NORCENORM-HD[®] db

Fully Synthetic Diesel Engine Oil

5W30

ACEA E4/E7

PRODUCT DESCRIPTION

NORC ENORM-HD SAE 5W-30 is a fully synthetic PAO based engine oil for use in light and heavy duty diesel engines with or without turbocharger. It is engineered precisely for use in Euro II, Euro III, Euro IV and Euro V emission requirements and engines equipped with EGR and / or SCR exhaust after treatment system, but not recommended for diesel engines equipped with Diesel Particle Filter (DPF).

NORC ENORM-HD SAE 5W-30 is designed to operate under different conditions with excellent protection against foaming. These oils are precisely formulated to provide effective control with respect to piston cleanliness and bore polishing. It also provides an excellent wear control, soot handling and lubricant stability.

NORC ENORM-HD SAE 5W-30 is specially formulated from the highest quality PAO base stock, and state of the art additive technology for optimum protection, giving an enhanced performance and reduced maintenance costs. It is engineered to fulfill and / or exceed the performance requirements of ACEA E4/E7.

BENEFITS

- Extreme low temperature properties for a smooth cold start
- Excellent thermal and oxidation stability
- Excellent protection against foaming of "Bore Polishing"
- Excellent engine cleanliness and protection against sludge and soot
- Extended drain interval
- Low fuel and oil consumptions
- Optimum protection against corrosive wear and foaming
- Suitable for low emission engines equipped with EGR and SCR technology



100%
Synthetic

For
EGR/SCR
Systems

Excellent
Viscosity
Retention

Excellent
Engine
Cleanliness

Extended
Drain
Interval

Low Oil
Consumption

Optimum
Protection





20 Litres

5 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	Kg / m ³	ASTM D4052	860
Kinematic Viscosity @ 40°C	mm ² / s ²	ASTM D7042	89
Kinematic Viscosity @ 100°C	mm ² / s ²	ASTM D7042	11.8
Viscosity Index		ASTM D2270	160
Flash Point, COC	°C	ASTM D92	> 200
Pour Point	°C	ASTM D97	≤ -42
TBN	mg KOH/g	ASTM D2896	> 15
Sulphated Ash	% WT	ASTM D324	1.85

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

ACEA E4 / E7
 API CI-4
 MB 228.5
 MAN M 3277
 MTU TYPE 3
 MACK EO-M
 RENAULT RVI RXD
 CUMMINS 200 76 / 77 / 78
 GLOBAL DHD-1

NORCENORM HD-LA^{db}

Fully Synthetic (UHPD) Engine Oil

5W30

E6/E7/E9

PRODUCT DESCRIPTION

NORC ENORM HD-LA SAE 5W-30 is a fully synthetic PAO based Ultra High Performance Diesel (UHPD) formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. It reduces carbon sludge build-up under severe driving conditions. It is engineered precisely for use in Euro II, Euro III, Euro IV, Euro V and Euro VI emission requirements and engines equipped with EGR and/or SCR exhaust after treatment system, as well as for diesel engines equipped with Diesel Particle Filter (DPF).

NORC ENORM HD-LA SAE 5W-30 is designed to operate under severe conditions whenever extended drain intervals are required. These oils are precisely formulated to provide effective control with respect to piston cleanliness and bore polishing. It also provides an excellent wear control, soot handling and lubricant stability.

NORC ENORM HD-LA SAE 5W-30 is engineered to fulfill and / or exceed the performance requirements of ACEA E6/E7/E9, and it is excellently designed for mixed fleet applications, from passenger cars to commercial vehicles. It provides an optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

BENEFITS

- Complies with latest generation diesel particle filters (DPF) requirements
- Excellent engine protection under severe driving conditions
- Excellent viscosity retention and oxidation stability
- Excellent engine cleanliness and protection against sludge and soot
- Extended drain interval
- Low oil and fuel consumptions
- Optimum protection against corrosive wear and foaming



**100%
Synthetic**

**Complies
With DPF &
TWC**

**Excellent
Viscosity
Retention**

**Excellent
Engine
Cleanliness**

**Extended
Drain
Interval**

**Low Oil
Consumption**

**Optimum
Protection**





20 Litres

5 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W30
Density @ 15°C	kg/L	ASTM D4052	0.855
Kinematic Viscosity @ 40°C	Cst	ASTM D445	67.8
Kinematic Viscosity @ 100°C	Cst	ASTM D445	11.5
Viscosity Index		ASTM D2270	165
Flash Point, COC	°C	ASTM D92-05A	> 220
Pour point	°C	ASTM D97	< -39

SPECIFICATIONS

ACEA E6 / E7 / E9
 API CJ-4 / SN
 MAN M 3677 / M 3477
 MB 228.51
 VOLVO VDS-4
 SCANIA LOW ASH
 RENAULT RVI RXD
 FPT IVECO E6
 DAF HP-2 E6
 MACK EO-M+
 DEUTZ DQC IV-10 LA

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC TAKT_{db}

Superior Semi Synthetic Engine Oil

5W40

API SN/CF

PRODUCT DESCRIPTION

NORC TAKT db SAE 5W-40 is high performance semi synthetic engine oil designed for use in modern engines giving improved quietness and fuel consumption. Its unique formulation provides excellent performance, protection, fuel economy properties, and sustain horsepower and torque throughout the life of your engine with regular use.

NORC TAKT db SAE 5W-40 is premium synthetic blend multi-grade engine oil, precisely developed and formulated with advanced additive technology to ensure excellent viscosity retention and thermal stability under all driving conditions.

NORC TAKT db SAE 5W-40 is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B4, and it is excellently suited for use in passenger cars and light trucks, equipped with benzin and diesel engines, both turbocharged and non-turbocharged.

BENEFITS

- Excellent for use in engines with tight tolerances
- Excellent viscosity retention
- Excellent engine protection under different driving conditions
- Excellent oxidation resistance
- Long drain interval
- Low fuel consumption
- Low oil consumption



10,000
KM

Synthetic

For Modern
Engines

Low Oil
Consumption

Ultimate
Protection

Superior
Performance

Thermal
Stability





4 Litres

1 Litre

TECHNICAL DETAILS

SPECIFICATIONS

PROPERTY	UNIT	TEST METHOD	SAE 5W40
Density @ 15°C	kg/L	ASTM D4052	0.856
Kinematic Viscosity @ 40°C	Cst	ASTM D445	89.7
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.1
Viscosity Index		ASTM D2270	162
Flash Point, COC	°C	ASTM D92	> 200
Pour point	°C	ASTM D97	< -39

ACEA A3 / B4
 API SN / CF
 BMW LL-01
 MB 229.3
 PORSCHE A40
 PSA B71 2296
 VW 502.00 / 505.00

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC ENORM-ECO^{db}

Fully Synthetic Engine Oil

5W40

API SN/CF

PRODUCT DESCRIPTION

NORC ENORM-ECO db SAE 5W-40 is high performance fully synthetic engine oil designed for use in modern engines giving improved quietness and fuel consumption. Its unique formulation provides excellent performance, protection, fuel economy properties, and sustain horsepower and torque throughout the life of your engine with regular use.

NORC ENORM-ECO db SAE 5W-40 is a premium fully synthetic formulation that is precisely developed and with an advanced additive technology to ensure excellent viscosity retention and thermal stability under all driving conditions.

NORC ENORM-ECO db SAE 5W-40 is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B3, and it is excellently suited for use in passenger cars and light trucks, equipped with benzine and diesel engines, both turbocharged and non-turbocharged.

BENEFITS

- Excellent for use in engines with tight tolerances
- Excellent viscosity retention
- Excellent engine protection under different driving conditions
- Excellent oxidation resistance
- Long drain interval
- Low fuel consumption
- Low oil consumption



15,000
KM

100%
Synthetic

For
Modern
Engines

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W-40
Density @ 15°C	kg / L	ASTM D4052	0.854
Kinematic Viscosity @ 40°C	Cst	ASTM D445	86.0
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.0
Viscosity Index		ASTM D2270	168
Flash Point, COC	°C	ASTM D92	> 200
Pour Point	°C	ASTM D97	< -42

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SPECIFICATIONS

ACEA A3 / B3
API SN / CF
MB 229.3
VW 501.01 / 505.00

NORCENORM_{db}

Fully Synthetic Engine Oil

5W40

API SN/CF

PRODUCT DESCRIPTION

NORC ENORM db SAE 5W-40 is a unique fully synthetic lubricating engine oil for an ultimate engine protection and performance. It has an excellent range of applications; ranging from K class engines to WTI/VTEC engines to European engines. Appropriate for use to improve engine quietness and reduced emissions. Sustained horsepower and torque throughout the life of your engine with regular use.

NORC ENORM db SAE 5W-40 is a multi-grade engine oil especially developed and formulated with the finest synthetic base stocks and advanced additive technology, to keep engines healthy and efficient. It reduces carbon sludge build-up under harsh driving conditions. It provides superior low friction with strengthened oil film for greater engine response and fuel efficiency.

NORC ENORM db SAE 5W-40 fulfills or exceeds the service requirements of ACEA A3/B3/B4 and it is excellently suited for use in passenger cars and light trucks, equipped with benzin and diesel engines, both turbocharged and non-turbocharged.

BENEFITS

- Excellent wear and high heat protection
- Excellent viscosity retention and carbon sludge reduction
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Long drain interval
- Low oil and fuel consumptions
- Superior low friction characteristics



15,000
KM

100%
Synthetic

For
Modern
Engines

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W40
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	86.0
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.0
Viscosity Index		ASTM D2270	168
Flash Point, COC	°C	ASTM D92	> 200
Pour point	°C	ASTM D97	< -42

SPECIFICATIONS

ACEA A3 / B3 / B4
API SN / CF
MB 229.5
BMW LL-01
VW 502.00 / 505.00

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCENORM-C3_{db}

Fully Synthetic Engine Oil

5W40

ACEA C3

PRODUCT DESCRIPTION

NORC ENORM-C3 db SAE 5W-40 is a fully synthetic based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon or sludge build up even under severe driving conditions.

NORC ENORM-C3 db SAE 5W-40 is manufactured using highest quality fully synthetic base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level.

NORC ENORM-C3 db SAE 5W-40 is designed for an advanced passenger cars gasoline and diesel engines, both turbocharged and non-turbocharged including engines with diesel particulate filters ACEA C3, catalytic converters, and Exhaust Gas Recirculation (EGR) devices.

BENEFITS

- Excellent wear and high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Long drain interval
- Low oil & fuel consumptions
- Reduce carbon sludge build up
- Superior low friction characteristics



Long Drain
Interval

100%
Synthetic

For
Benzin &
Diesel Engines
(Specially
DPF)

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W40
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	84.7
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14
Viscosity Index		ASTM D2270	171
Flash Point, COC	°C	ASTM D92	> 220
Pour point	°C	ASTM D97	< -39

SPECIFICATIONS

ACEA A3 / B4 / C3
 API SN / CF
 BMW LL-04
 MB 229.51
 GM DEXOS 2
 VW 502.00 / 505.00 / 505.01
 FORD WSS-M2C917-A
 RENAULT RN 0700 / 0710
 PORSCHE A40

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCENORM^{db}

Fully Synthetic Engine Oil

5W50

API SN/CF

PRODUCT DESCRIPTION

NORC ENORM db SAE 5W-50 is a fully synthetic based formulation that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon or sludge build-up even under severe driving conditions, and optimally suited for high stress environments.

NORC ENORM db SAE 5W-50 is manufactured using highest quality fully synthetic base stocks and state of the art additive technology. The modern manufacturing process ensures a top quality finished product.

NORC ENORM db SAE 5W-50 PAO based formulation is especially designed for use in an advanced passenger car and diesel engines, both turbocharged and non-turbocharged. It is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B3/B4.

BENEFITS

- Excellent wear & high heat protection
- Excellent viscosity retention
- Excellent engine protection under harsh driving conditions
- Improve engine efficiency and longevity
- Long drain interval
- Low oil & fuel consumptions
- Reduce carbon sludge build-up
- Superior low friction characteristics



15,000
KM

100%
Synthetic

For
Modern
Engines

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W50
Density @ 15°C	kg/L	ASTM D4052	0.854
Kinematic Viscosity @ 40°C	Cst	ASTM D445	115
Kinematic Viscosity @ 100°C	Cst	ASTM D445	18.5
Viscosity Index		ASTM D2270	180
Flash Point, COC	°C	ASTM D92	> 230
Pour point	°C	ASTM D107	< -36

SPECIFICATIONS

ACEA A3 / B3 / B4
API SN / CF
MB 229.3
VW 502.00 / 505.00
PORSCHE A40
BMW LL-01

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCRASANT^{db}

Fully Synthetic Racing Engine Oil

5W60

API SN/CF

PRODUCT DESCRIPTION

NORCRASANT db SAE 5W-60 is a high performance fully synthetic based formulation racing engine oil for an ultimate engine protection. It protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC precisely used an advanced additive technology that reduces carbon sludge build up even under severe driving conditions. It is optimally suited for use in high stress environments.

NORCRASANT db SAE 5W-60 is specially formulated using the finest fully synthetic base oils and state of the art additive technology for optimum operation in benzine and diesel engines with or without turbocharger, meeting and / or exceeding the service requirements of ACEA A3/B3/B4.

BENEFITS

- Excellent high-heat protection and oil stability
- Enhance engine performance and efficiency
- Race and track tested
- Long drain interval
- Low oil & fuel consumptions
- Outstanding anti-wear properties
- Optimum operation under severe driving conditions
- Protect against carbon sludge build-up
- Prolong engine performance and longevity
- Rapid oil flow and excellent low friction characteristics



20,000
KM

100%
Synthetic

For Speed
Driving
Condition

Ultimate
Protection

Superior
Performance

Stress
& Heat
Tolerance

Engine
Longevity





4 Litres €37

1 Litre €9

TECHNICAL DETAILS

SPECIFICATIONS

PROPERTY	UNIT	TEST METHOD	SAE 5W60
Density @ 15°C	Kg / L	ASTM D4052	0.854
Kinematic Viscosity @ 40°C	Cst	ASTM D445	156
Kinematic Viscosity @ 100°C	Cst	ASTM D445	25
Viscosity Index		ASTM D2270	194
Flash Point, COC	°C	ASTM D92	> 230
Pour Point	°C	ASTM D197	< -36

ACEA A3 / B3 / B4
API SN / CF
MB 229.3
VW 502.00/505.00
PORSCHE A40
BMW LL-01

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC TAKT^{db}

Superior Semi Synthetic Engine Oil

10W30

API SN/CF

PRODUCT DESCRIPTION

NORC TAKT db SAE 10W-30 is a high performance light-running semi-synthetic lubricating engine oil designed for use in modern engines. It delivers excellent performance, protection and fuel economy properties.

NORC TAKT db SAE 10W-30 is precisely developed and formulated with an advanced additive technology to ensure excellent engine cleanliness, viscosity retention and thermal stability under different driving conditions.

NORC TAKT db SAE 10W-30 is engineered to fulfill and / or exceed the performance a requirement of ACEA A3/B3/B4, and it is an ideal choice for most benz and diesel engines, including turbocharged and non-turbocharged engines, and can be used year round in most climates.

BENEFITS

- Excellent wear and high heat protection
- Excellent Viscosity retention
- Excellent engine protection under different driving conditions
- Enhanced anti-wear properties
- Excellent Low friction characteristics
- Improved engine cleanliness
- Improved engine efficiency and performance
- Low oil & fuel consumptions
- Thermal Stability



10,000
KM

Synthetic

For Modern
Engines

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

SPECIFICATIONS

PROPERTY	UNIT	TEST METHOD	SAE 10W30
Density @ 15°C	Kg / L	ASTM D4052	0.861
Kinematic Viscosity @ 40°C	Cst	ASTM D445	675
Kinematic Viscosity @ 100°C	Cst	ASTM D445	12.0
Viscosity Index		ASTM D2270	144
Flash Point, COC	°C	ASTM D92	> 220
Pour Point	°C	ASTM D97	< -33

ACEA A3 / B3 / B4
API SN / CF
MB 229.1
VW 501.01 / 505.00

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NORCTAKT-ECO^{db}

Superior Semi Synthetic Engine Oil

10W40

API SL/CF

PRODUCT DESCRIPTION

NORC TAKT-ECO db SAE 10W-40 is high performance semi synthetic engine oil designed for use in benzin, diesel and LPG engines with catalysts. Its unique formulation provides excellent performance, protection and fuel economy properties.

NORC TAKT-ECO db SAE 10W-40 is premium synthetic blend multi-grade engine oil, precisely developed and formulated with advanced additive technology to ensure excellent viscosity retention and thermal stability under all driving conditions.

NORC TAKT-ECO db SAE 10W-40 is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B3, and it is excellently suited for use all year around in passenger cars and light trucks, equipped with benzin and diesel engines, both turbocharged and non-turbocharged.

BENEFITS

- Excellent engine protection at cold start
- Excellent wear and high heat protection
- High viscosity index & excellent viscosity retention
- Excellent engine protection under different driving conditions
- Excellent protection against rust and corrosion
- Enhanced lubrication film strength
- Improved engine cleanliness
- Improved engine efficiency and performance
- Thermal Stability
- Low oil & fuel consumptions



10,000
KM

Synthetic

For
Modern
Engines

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 10W40
Density @ 15°C	kg/L	ASTM D4052	874
Kinematic Viscosity @ 40°C	Cst	ASTM D445	98.4
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.5
Viscosity Index		ASTM D2270	152
Flash Point, COC	°C	ASTM D93	> 200
Pour point	°C	ASTM D97	< -33

SPECIFICATIONS

ACEA A3 / B3
API SL / CF
MB 229.1
VW 505.00

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NORC TAKT^{db}

Superior Semi Synthetic Engine Oil

10W40

API SN/CF

PRODUCT DESCRIPTION

NORC TAKT db SAE 10W-40 is high performance light running HC synthetic engine oil designed for use in modern engines with tight tolerances. Its unique formulation provides excellent performance, protection and fuel economy properties.

NORC TAKT db SAE 10W-40 is premium synthetic blend multi-grade engine oil, precisely developed and formulated with advanced additive technology to ensure excellent viscosity retention and thermal stability under all driving conditions.

NORC TAKT db SAE 10W-40 is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B3/B4, and it is excellently suited for use in passenger cars and light trucks, equipped with benzin and diesel engines, both turbocharged and non-turbocharged.

BENEFITS

- Excellent wear and high heat protection
- Excellent Viscosity retention
- Excellent engine protection under different driving conditions
- Excellent Low friction characteristics
- Enhanced anti-wear properties
- Improved engine cleanliness
- Improved engine efficiency and performance
- Low oil & fuel consumptions
- Thermal Stability



10,000
KM

Synthetic

For
Modern
Engines

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

SPECIFICATIONS

PROPERTY	UNIT	TEST METHOD	SAE 10W40
Density @ 15°C	kg/L	ASTM D4052	0.868
Kinematic Viscosity @ 40°C	Cst	ASTM D445	91.8
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.2
Viscosity Index		ASTM D2270	117
Flash Point, COC	°C	ASTM D92	> 210
Pour point	°C	ASTM D97	< -33

ACEA A3 / B3 / B4
API SN / CF
MB 229.1
FORD ESE-M2C 153-E
VW 501.01 / 505.00

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NORC TAKT-HD[®]db

Semi Synthetic SHPD Engine Oil

10W40

API CI-4/SL

PRODUCT DESCRIPTION

NORC TAKT-HD db SAE 10W-40 is a high quality modern multi-grade Semi Synthetic engine oil that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon and sludge build up even under demanding operating conditions.

NORC TAKT-HD db SAE 10W-40 is manufactured using the highest quality HC Synthetic base stocks and state of the art additive technology. This ensures a finished product with unmatched performance level.

NORC TAKT-HD db SAE 10W-40 is designed for mixed fleet applications, from passenger cars to commercial vehicles. It provides optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

BENEFITS

- Excellent engine protection under severe driving conditions
- Excellent viscosity retention
- Excellent engine cleanliness and protection against sludge and soot
- Extended drain interval
- Enhance engine performance and efficiency
- Improve engine longevity and durability
- Low oil consumption
- Optimum protection against corrosive wear and foaming
- Thermal and oxidation stability



Synthetic

Cleanless
Sludge &
Deposits

Thermal
Stability

Designed
For Harsh
Conditions

Ultimate
Protection

Low Oil
Consumption

Engine
Longevity





20 Litres ±

5 Litres ±

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 10W40
Density @ 15°C	Kg / L	ASTM D4052	0.873
Kinematic Viscosity @ 40°C	Cst	ASTM D445	98.5
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.8
Viscosity Index		ASTM D2270	156.8
Flash Point, COC	°C	ASTM D92	> 225
Pour Point	°C	ASTM D97	< -36

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SPECIFICATIONS

ACEA A3 / B3 / B4 / E7
 API CI-4 / SL
 RENAULT RLD-2
 MB 228.3 / 229.1
 MTU TYPE 2
 MAN M 3275
 VOLVO VDS-3
 MACK EO-M PLUS
 ALLISON C-4
 GLOBAL DHD-1
 CAT ECF-1-A / ECF-2
 CUMMINS CES 200 T1 / T2 / T5 / T6 / T7 / T8
 DEUTZ DQC III-05
 JASO DH-1

NORC TAKT HD-PRO

Synthetic UHPD Engine Oil

10W40

ACEA E4/E7

PRODUCT DESCRIPTION

NORC TAKT HD-PRO SAE 10W-40 is a premium synthetic based ultra high performance diesel engine oil that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon and sludge build up even under demanding operating conditions.

NORC TAKT HD-PRO SAE 10W-40 is manufactured using the highest quality base stocks and state of the art additive technology, in order to ensure a finished product with unmatched performance level. It is engineered precisely for use in Euro II, Euro III, Euro IV and Euro V emission requirements and suitable for extended drain intervals.

NORC TAKT HD-PRO SAE 10W-40 is engineered to fulfill and / or exceed the performance requirements of ACEA E4/E7, and it is especially designed for heavy duty applications. It provides optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

BENEFITS

- Excellent engine protection under severe driving conditions.
- Excellent viscosity retention.
- Excellent engine cleanliness and protection against sludge and soot.
- Extended drain interval.
- Enhanced engine performance and efficiency.
- Improve engine longevity and durability.
- Low oil consumption.
- Optimum protection against corrosive wear and foaming.
- Thermal and oxidation stability.



Synthetic

Extended
Drain
Interval

Thermal
Stability

Designed
For Harsh
Conditions

Ultimate
Protection

Low Oil
Consumption

Engine
Longevity





20 Litres ±

5 Litres ±

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 10W40
Density @ 15°C	Kg / L	ASTM D4052	0.865
Kinematic Viscosity @ 40°C	Cst	ASTM D445	95
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.4
Viscosity Index		ASTM D2270	158
Flash Point, COC	°C	ASTM D92	> 220
Pour Point	°C	ASTM D97	≤ -36

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

ACEA E4 / E7
 API CI-4
 GLOBAL DHD-1
 CAT ECF-1-A / ECF-2
 MB 228.5
 MTU TYPE 3
 RENAULT RXD / RLD-2
 CUMMINS CES 200 71 / 72 / 75 / 76 / 77 / 78
 MACK EO-M PLUS
 DEUTZ DQC III-10
 MAN 3277
 DETROIT DIESEL 93K215
 VOLVO VDS-3
 SCANIA LDF-2

NORC TAKT HDF-PRO

Synthetic Low-Ash UHPD Engine Oil

10W40

ACEA E6/E7

PRODUCT DESCRIPTION

NORC TAKT HDF-PRO SAE 10W-40 is a premium synthetic based ultra high performance diesel engine oil that protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC additive technology reduces carbon and sludge build up even under demanding operating conditions.

NORC TAKT HDF-PRO SAE 10W-40 is manufactured using the highest quality base stocks and state of the art additive technology, in order to ensure a finished product with unmatched performance level. It is engineered precisely for use in Euro II, Euro III, Euro IV, Euro V and Euro VI emission requirements and engines equipped with EGR and/or SCR exhaust after treatment system, as well as for the diesel engines equipped with the latest generation of Diesel Particle Filter (DPF).

NORC TAKT HDF-PRO SAE 10W-40 is engineered to fulfill and / or exceed the performance requirements of ACEA E6/E7, and it is especially designed for heavy duty applications. It provides optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

BENEFITS

- Excellent engine protection under severe driving conditions
- Excellent viscosity retention
- Excellent engine cleanliness and protection against sludge and soot
- Extended drain interval
- Enhance engine performance and efficiency
- Improve engine longevity and durability
- Low oil consumption
- Optimum protection against corrosive wear and foaming
- Thermal and oxidation stability



30,000
KM

For Diesel
(UHPD)
Engines

Thermal &
Oxidation
Stability

Superior
Performance

Ultimate
Protection

Low Oil
Consumption

Excellent
Viscosity
Retention





20 Litres ±

5 Litres ±

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 10W40
Density @ 15°C	Kg / L	ASTM D4052	0.858
Kinematic Viscosity @ 40°C	Cst	ASTM D445	86
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14
Viscosity Index		ASTM D2270	168
Flash Point, COC	°C	ASTM D92	> 220
Pour Point	°C	ASTM D97	< -36

SPECIFICATIONS

ACEA E6 / E7
 API CI-4
 DEUTZ DQC III
 MAN M 3477
 MB 228.51
 RENAULT RVI RXD
 MACK EO-M+
 DAF HP-2 / E6
 SCANIA LOW ASH / LDF-3
 VOLVO VDS-3

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NORC TAKT-HDF^{db}

Semi Synthetic UHPD Engine Oil

10W40

API CJ-4/SN

PRODUCT DESCRIPTION

PRODUCT DESCRIPTION

NORC TAKT-HDF db SAE 10W-40 is a high quality modern multi-grade Synthetic fuel economy ultra high performance diesel (UHPD) engine oil, developed for the latest generation of diesel particle filters (DPF) in utility and commercial vehicles.

NORC TAKT-HDF db SAE 10W-40 is designed to operate under severe conditions whenever extended drain intervals are required. These oils are precisely formulated to provide effective control with respect to piston cleanliness and bore polishing. It also provides an excellent wear control, soot handling and lubricant stability.

NORC TAKT-HDF db SAE 10W-40 is specially formulated from the highest quality base oils, and state of the art additive technology for optimum protection, giving and enhanced performance and reduced maintenance costs. It fulfills or exceeds the performance requirements of ACEA E9, and it is excellently designed for mixed fleet applications, from passenger cars to commercial vehicles. It provides an optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

BENEFITS

- Complies with latest generation diesel particle filters (DPF) requirements
- Excellent engine protection under severe driving conditions
- Excellent viscosity retention
- Excellent engine cleanliness and protection against sludge and soot
- Extended drain interval
- Low oil consumption
- Optimum protection against corrosive wear and foaming
- Thermal and oxidation stability



30,000
KM

For Diesel
(UHPD)
Engines

Thermal &
Oxidation
Stability

Superior
Performance

Ultimate
Protection

Low Oil
Consumption

Excellent
Viscosity
Retention





20 Litres ±

5 Litres ±

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 10W40
Density @ 15°C	Kg / L	ASTM D4052	0.862
Kinematic Viscosity @ 40°C	Cst	ASTM D445	96.8
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.3
Viscosity Index		ASTM D2270	152
Flash Point, COC	°C	ASTM D92	> 240
Pour Point	°C	ASTM D97	< - 36

SPECIFICATIONS

ACEA E9
 API CJ-4 / SN
 CAT ECF-3 / 2 / 1 - A
 CUMMINS CES 20081
 DDC 93K218
 DEUTZ DQC III-LA
 MACK EO-O PREMIUM PLUS
 MAN M 3575
 MB 228.31
 MTU TYPE 2.1
 RENAULT RLD-3
 VOLVO VDS-4

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NORC TAKT HDF-XTREME

Semi Synthetic UHPD Engine Oil

10W40

API CK4

PRODUCT DESCRIPTION

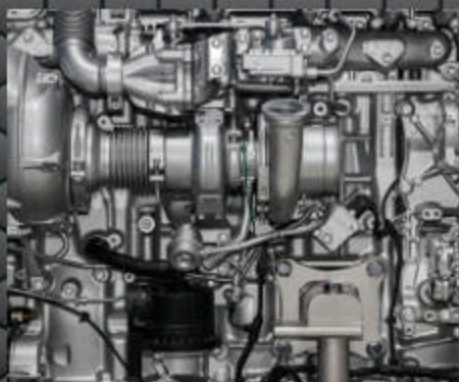
NORC TAKT HDF-XTREME SAE 10W-40 is a semi synthetic super high performance diesel engine oil (UHPD) for use in commercial vehicles and especially designed to meet EURO V and EURO VI emission standards.

NORC TAKT HDF-XTREME SAE 10W-40 is precisely engineered with the latest API CK-4 technology to provide outstanding performance rating and extended drain intervals even under extreme operating conditions.

NORC TAKT HDF-XTREME SAE 10W-40 is specially formulated to be used in combination with low sulfur diesel fuel and exhaust gas treatment systems, such as: SCR, EGR and DPF. It is suitable for on and off road applications all year long, providing superior protection and performance characteristics.

BENEFITS

- Low Sulphated ash, phosphor, and sulfur content (Low SAPS)
- Excellent engine protection under severe operating conditions
- High viscosity retention
- Excellent engine cleanliness and protection against sludge and soot
- Extended drain interval
- Low oil and fuel consumption
- Optimum protection against corrosive wear and foaming
- Thermal and oxidation stability
- Suitable for on and off road applications



Extended
Drain
Interval

For Diesel
(UHPD)
Engines

Thermal &
Oxidation
Stability

Superior
Performance

Ultimate
Protection

Low Oil
Consumption

Excellent
Viscosity
Retention





20 Litres

5 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 10W40
Density @ 15°C	Kg / L	ASTM D4052	0.859
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.5
Viscosity Index		ASTM D2270	101
Flash Point, CDC	°C	ASTM D92	> 230
Pour Point	°C	ASTM D97	< -36

SPECIFICATIONS

ACEA E9 / E7 / E6
 API CK-4 / CJ-4 / CI-4
 DUEZ DQC IV-10 LA
 CUMMINS CES 20081
 VOLVO VDS-4
 DETROIT DIESEL 93K218
 MB 228.51
 RENAULT TRUCK RLD-3
 CAT ECF-3
 DAF verlängerte Intervalle
 MTU DDC TYPE 3.1
 MACK EO-O PREMIUM PLUS
 SCANIA LOW ASH / LDF-3

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NORCAKTIV-HD_{db}

High Performance Engine Oil

10W50

API CI-4/SL

PRODUCT DESCRIPTION

NORCAKTIV-HD db SAE 10W-50 is high quality modern multi-grade engine oil that protects against friction, heat and corrosion, keeping engines healthy and efficient. It is formulated using the highest quality base stocks and state of the art additive technology to ensure a finished product with unmatched performance level.

NORCAKTIV-HD db SAE 10W-50 fulfills or exceeds the performance requirements of API CI-4/SL and it is excellently designed for mixed fleet applications, from passenger cars to commercial vehicles. It provides an optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

NORCAKTIV-HD db SAE 10W-50 is designed to operate under severe conditions whenever extended drain intervals are required. These oils are precisely formulated to provide effective control with respect to piston cleanliness and bore polishing. It also provides an excellent wear control, soot handling and lubricant stability.

BENEFITS

- Excellent engine protection under severe operating conditions
- Excellent viscosity retention and stability
- Extended drain interval
- Excellent engine cleanliness and protection against sludge and soot
- Low oil consumption
- Optimum protection against corrosive wear and foaming
- Prolong engine life and durability
- Thermal and oxidation stability



30,000
KM

For Diesel
& Benzin
Engines

High Stress
& Heat
Tolerance

Ultimate
Protection

Designed
For Harsh
Conditions

Low Oil
Consumption

Engine
Longevity





20 Litres ±

5 Litres ±

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 10W50
Color		ASTM D1500	<1.5
Density @ 15°C	Kg/L	ASTM D4052	0.867
Kinematic Viscosity @ 40°C	Cst	ASTM D445	133
Kinematic Viscosity @ 100°C	Cst	ASTM D445	19.5
Viscosity Index		ASTM D2270	165
Flash Point, COC	°C	ASTM D92	> 225
Pour Point	°C	ASTM D97	-35
TBN	mg KOH/g	ASTM D2896	> 11

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SPECIFICATIONS

ACEA A3/B3/B4/E7
 API CI-4/SL
 RENAULT RLD-2
 MB 228.3/229.1
 MTU TYPE 2
 MAN 3275
 VOLVO VDS-3
 MACK EO-M PLUS
 ALLISON C-4
 GLOBAL DHD-1
 CAT ECF-1-A/ECF-2
 CUMMINS CES 20071/-72/-75/-76/-77/-78
 DEUTZ DQC III-05
 JASO DH-1

NORCRASANT^{db}

Fully Synthetic Racing Engine Oil

10W60

API SN/CF

PRODUCT DESCRIPTION

NORC RASANT db SAE 10W-60 is a high performance fully synthetic based formulation racing engine oil for an ultimate engine protection. It protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC precisely used an advanced additive technology that reduces carbon sludge build up even under severe driving conditions. It is optimally suited for use in high stress environments.

NORC RASANT db SAE 10W-60 is specially formulated using the finest fully synthetic base oils and state of the art additive technology for optimum operation in benzin and diesel engines with or without turbocharger, meeting and / or exceeding the service requirements of ACEA A3/B3/B4.

BENEFITS

- Excellent high-heat protection and oil stability
- Enhance engine performance and efficiency
- Long drain interval
- Low oil & fuel consumptions
- Outstanding anti-wear properties
- Optimum operation under severe driving conditions
- Protect against carbon sludge build-up
- Prolong engine performance and longevity
- Race and track tested
- Rapid oil flow and excellent low friction characteristics



20,000
KM

100%
Synthetic

For Speed
Driving
Condition

Ultimate
Protection

Superior
Performance

Stress
& Heat
Tolerance

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 10W60
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	185
Kinematic Viscosity @ 100°C	Cst	ASTM D445	25
Viscosity Index		ASTM D2270	169
Flash Point, COC	°C	ASTM D92	> 230
Pour point	°C	ASTM D97	< -35

SPECIFICATIONS

ACEA A3 / B3 / B4
 API SN / CF
 MB 229.3
 VW 501.01 / 505.00
 FIAT 9.55535-H3

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NORCAKTIV^{db}

High Performance Engine Oil

15W40

API SN/CF

PRODUCT DESCRIPTION

NORCAKTIV db SAE 15W-40 is an advanced multi-grade universal engine oil, developed and formulated from highly refined mineral base stock with an advanced additive technology, to provide an engine oil with stable viscosity behavior that protects against friction, heat and corrosion, keeping engines healthy and efficient.

NORCAKTIV db SAE 15W-40 is designed to operate under severe conditions, reducing carbon sludge build up, increasing engine durability and performance, as well as providing a smoother engine running throughout regular use.

NORCAKTIV db SAE 15W-40 is manufactured in accordance to modern specifications. It is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B3/B4, and it is suitable for use in benzin and diesel engines, both turbo-charged and non-turbo charged.

BENEFITS

- Prolong engine life
- Excellent engine protection under severe driving conditions
- Good dispersant and detergent properties
- Improve engine performance and efficiency
- Improve protection against corrosion and friction
- Low oil & fuel consumptions
- Smooth engine running
- Thermal and oxidation stability



5,000
KM

Oxidation
Protection

For Benzin
& Diesel
Engines

Ultimate
Protection

Heat
Tolerance

Low Oil
Consumption

Engine
Longevity





4 Litres (±)

1 Litre (±)

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 15W-40
Density @ 15°C	Kg/L	ASTM D4052	0.865
Kinematic Viscosity @ 40°C	Cst	ASTM D445	106
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.27
Viscosity Index		ASTM D2270	137
Flash Point, COC	°C	ASTM D92	> 220
Pour Point	°C	ASTM D97	< -35

SPECIFICATIONS

ACEA A3 / B3 / B4
API SN / CF
VW 501.01 / 505.00
MB 229.1

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCAKTIV-HD_{db}

High Performance Engine Oil

15W40

API CI-4/SL

PRODUCT DESCRIPTION

NORCAKTIV-HD db SAE 15W40 is high quality modern multi-grade engine oil that protects against friction, heat and corrosion, keeping engines healthy and efficient. It is formulated using the highest quality base stocks and state of the art additive technology to ensure a finished product with unmatched performance level.

NORCAKTIV-HD db SAE 15W40 fulfills or exceeds the performance requirements of API CI-4/SL and it is excellently designed for mixed fleet applications, from passenger cars to commercial vehicles. It provides an optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

NORCAKTIV-HD db SAE 15W40 is designed to operate under severe conditions whenever extended drain intervals are required. These oils are precisely formulated to provide effective control with respect to piston cleanliness and bore polishing. It also provides an excellent wear control, soot handling and lubricant stability.

BENEFITS

- Excellent engine protection under severe operating conditions
- Excellent viscosity retention and stability
- Excellent engine cleanliness and protection against sludge and soot
- Extended drain intervals
- Low oil consumptions
- Optimum protection against corrosive wear and foaming
- Prolong engine life and durability



30,000
KM

For Diesel
& Benzin
Engines

Stress
& Heat
Tolerance

Ultimate
Protection

Oxidation
& Wear
Protection

Low Oil
Consumption

Engine
Longevity





20 Litres ±

5 Litres ±

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 15W40
Density @ 15°C	Kg / L	ASTM D4052	0.867
Kinematic Viscosity @ 40°C	Cst	ASTM D445	90.8
Kinematic Viscosity @ 100°C	Cst	ASTM D445	13.4
Viscosity Index		ASTM D2270	150
Flash Point, COC	°C	ASTM D92	> 220
Pour Point	°C	ASTM D97	< -35

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

ACEA A3 / B3 / B4 / E7
 API CI-4 / SL
 RENAULT RLD-2
 MB 228.3 / 229.1
 MTU TYPE 2
 MAN 3275
 VOLVO VDS-3
 MACK EO-M PLUS
 ALLISON C-4
 GLOBAL DHD-1
 CAT ECF-1-A / ECF-2
 CUMMINS CES 200 T1 / T2 / T5 / T6 / T7 / T8
 DEUTZ DQC III-05
 JASO DH-1
 SCANIA LDF

NORC TAKT-HDF^{db}

Semi Synthetic SHPD Engine Oil

15W40

API CJ-4/SN

PRODUCT DESCRIPTION

NORC TAKT-HDF db SAE 15W-40 is a high performance multi-grade fuel economy super high performance diesel (SHPD) engine oil, developed for the latest generation of diesel particle filters (DPF) in utility and commercial vehicles.

NORC TAKT-HDF db SAE 15W-40 is designed to operate under severe conditions whenever extended drain intervals are required. These oils are precisely formulated to provide effective control with respect to piston cleanliness and bore polishing. It also provides an excellent wear control, soot handling and lubricant stability.

NORC TAKT-HDF db SAE 15W-40 is specially formulated from the highest quality base oils, and state of the art additive technology for optimum protection, giving and enhanced performance and reduced maintenance costs. It fulfills or exceeds the performance requirements of API CJ-4/SN and it is excellently designed for mixed fleet applications, from passenger cars to commercial vehicles. It provides an optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

BENEFITS

- Complies with latest generation diesel particle filters (DPF) requirements
- Excellent engine protection under severe driving conditions
- Excellent viscosity retention
- Excellent engine cleanliness and protection against sludge and soot
- Extended drain interval
- Low oil consumption
- Optimum protection against corrosive wear and foaming
- Thermal and oxidation stability



Synthetic
Formulation

Complies
With DPF &
TWC

Excellent
Viscosity
Retention

Excellent
Engine
Cleanliness

Extended
Drain
Interval

Low Oil
Consumption

Optimum
Protection





20 Litres

5 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 15W40
Density @ 15°C	kg/L	ASTM D4052	0.878
Kinematic Viscosity @ 40°C	Cst	ASTM D445	118
Kinematic Viscosity @ 100°C	Cst	ASTM D445	75.6
Viscosity Index		ASTM D2270	110
Flash Point, COC	°C	ASTM D92-05A	> 230
Pour point	°C	ASTM D97	< -39

SPECIFICATIONS

ACEA E9
 API CJ-4 / SN
 CAT ECF-3/2/1-A
 CUMMINS CES 20081
 DDC 93K218
 DEUTZ DQC III-LA
 MACK EO-O PREMIUM PLUS
 MAN M 3575
 MB 228.31
 MTU TYPE 2.1
 RENAULT RLD-3
 VOLVO VDS-4

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC TAKT^{db}

Superior Semi Synthetic Engine Oil

15W50

API SN/SF

PRODUCT DESCRIPTION

NORC TAKT db SAE 15W-50 is a high performance multi-grade engine oil. It is intended for use in modern cars engines under any operating conditions, and it is preferred for use in Southern European Countries.

NORC TAKT db SAE 15W-50 is precisely engineered through a combination of high quality semi synthetic base oils, and state of the art additive technology, to provide an outstanding performance and protection.

NORC TAKT db SAE 15W-50 effectively prevents against sludge development, wear and corrosion. Furthermore, it has a low evaporation loss base oils and good compatibility with seals, which clearly reduce oil consumption. It is developed to fulfill and / or exceed the performance requirements of ACEA A3/B4, and it is suitable for use in benzin and diesel engines, both turbo-charged and non-turbo charged.

BENEFITS

- Low oil & fuel consumptions properties.
- Excellent thermal and oxidation stability.
- Excellent engine protection under all driving conditions.
- Prolong engine life.
- Good dispersant and detergent properties.
- Improve engine performance and efficiency.
- Improve protection against sludge, corrosion, and friction.
- Smooth engine running.



10,000
KM

Synthetic

For
Modern
Engines

Ultimate
Protection

Superior
Performance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 15W50
Density @ 15°C	g/cm ³	DIN 51 757	0.834
Viscosity @ -20 °C	mPa.s	ASTM D 5293	5,830
Kinematic Viscosity @ 40 °C	mm ² /s ¹	DIN EN ISO 3104	119
Kinematic Viscosity @ 100 °C	mm ² /s ¹	DIN EN ISO 3104	18.4
Viscosity Index		DIN ISO 2909	148
Flash Point, COC	°C	DIN ISO 2592	> 235
Pour Point	°C	DIN ISO 3016	< -36
Sulphated Ash	g / 100 g	DIN 51 575	0.96

SPECIFICATIONS

ACEA A3 / B4
API SN / CF

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCAKTIV-HD_{db}

High Performance Engine Oil

15W50

A3/B3/B4/E7

PRODUCT DESCRIPTION

NORCAKTIV-HD db SAE 15W50 is high quality modern multi-grade engine oil that protects against friction, heat and corrosion, keeping engines healthy and efficient. It is formulated using the highest quality base stocks and state of the art additive technology to ensure a finished product with unmatched performance level.

NORCAKTIV-HD db SAE 15W50 fulfills or exceeds the performance requirements of API CI-4/SL and it is excellently designed for mixed fleet applications, from passenger cars to commercial vehicles. It provides an optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

NORCAKTIV-HD db SAE 15W50 is designed to operate under severe conditions whenever extended drain intervals are required. These oils are precisely formulated to provide effective control with respect to piston cleanliness and bore polishing. It also provides an excellent wear control, soot handling and lubricant stability.

NORCAKTIV-HD db SAE 15W50 is an advanced multi-grade fuel economy oil designed for mixed fleet applications, ranging from passenger cars to commercial vehicles. It fulfills and/or exceeds the specifications of API CI-4/SL.

BENEFITS

- Excellent engine protection under severe operating conditions
- Excellent viscosity retention and stability
- Excellent engine cleanliness and protection against sludge and soot
- Extended drain interval
- Low oil consumption
- Optimum protection against corrosive wear and foaming
- Prolong engine life and durability
- Thermal and oxidation stability



30,000
KM

For Diesel
& Benzin
Engines

High Stress
& Heat
Tolerance

Ultimate
Protection

Designed
For Harsh
Conditions

Low Oil
Consumption

Engine
Longevity





20 Litres ±

5 Litres ±

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 15W50
Color		ASTM D1520	< 3.5
Density @ 15°C	Kg/L	ASTM D4052	0.875
Kinematic Viscosity @ 40°C	Cst	ASTM D445	126
Kinematic Viscosity @ 100°C	Cst	ASTM D445	17.6
Viscosity Index		ASTM D2270	153
Flash Point, COC	°C	ASTM D92	> 235
Pour point	°C	ASTM D97	< -35
TBN	mgKOH/g	ASTM D2896	> 11

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

ACEA A3/B3/B4/E7
API CI-4/SL

NORCAKTIV^{db}

High Performance Engine Oil

20W50

API SN/CF

PRODUCT DESCRIPTION

NORCAKTIV^{db} SAE 20W50 is a high quality multi-grade engine oil, developed and formulated from highly refined mineral base stock with an advanced additive technology, to provide an engine oil with stable viscosity behavior that protects against friction, heat and corrosion, keeping engines healthy and efficient.

NORCAKTIV^{db} SAE 20W50 is designed to operate under severe conditions, reducing carbon sludge build up, increasing engine durability and performance, as well as providing a smoother engine running throughout regular use.

NORCAKTIV^{db} SAE 20W50 fulfills or exceeds the performance requirements of API SN/CF and it is suitable for use in benzine and diesel engines, both turbo-charged and non-turbo charged.

BENEFITS

- Excellent engine protection under severe driving conditions
- Excellent anti-wear properties
- Good dispersant and detergent properties
- Improve engine performance and efficiency
- Improve protection against corrosion and friction
- Low oil & fuel consumptions
- Prolong engine life
- Smooth engine running
- Thermal and oxidation stability



5,000
KM

Oxidation
Protection

For Benzin
& Diesel
Engines

Ultimate
Protection

Heat
Tolerance

Low Oil
Consumption

Engine
Longevity





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 20W50
Density @ 15°C	Kg / L	ASTM D4052	0.890
Kinematic Viscosity @ 40°C	Cst	ASTM D445	547.3
Kinematic Viscosity @ 100°C	Cst	ASTM D445	17.5
Viscosity Index		ASTM D2270	181
Flash Point, COC	°C	ASTM D92	> 220
Pour Point	°C	ASTM D197	- 23

SPECIFICATIONS

ACEA A3 / B3
API SN / CF
MB 229.1
VW 501.01 / 505.00

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NORCAKTIV-HD_{db}

Advanced SHPD Engine Oil

20W50

A3/B3/B4/E7

PRODUCT DESCRIPTION

NORC AKTIV-HD db SAE 20W-50 is high quality modern multi-grade engine oil that protects against friction, heat and corrosion, keeping engines healthy and efficient. It is formulated using the highest quality base stocks and state of the art additive technology to ensure a finished product with unmatched performance level. It is engineered to fulfill and / or exceed the performance requirements of ACEA A3/B3/B4/E7, and it is excellently designed for mixed fleet applications, from passenger cars to commercial vehicles. It provides an optimum protection against corrosive wear, foaming and viscosity loss due to shear, valve train wear and oxidative thickening.

NORC AKTIV-HD db SAE 20W-50 is designed to operate under severe conditions whenever extended drain intervals are required. These oils are precisely formulated to provide effective control with respect to piston cleanliness and bore polishing. It also provides an excellent wear control, soot-handling and lubricant stability. It is an advanced multi-grade oil, and are precisely formulated to provide effective control with respect to piston cleanliness and bore polishing. It also provides an excellent wear control, soot handling and lubricant stability.

BENEFITS

- Excellent viscosity retention and stability
- Excellent engine protection under severe operating conditions
- Excellent engine cleanliness and protection against sludge and soot
- Low oil consumption
- Optimum protection against corrosive wear and foaming
- Prolong engine life and durability



30,000
KM

For Diesel
& Benzin
Engines

High Stress
& Heat
Tolerance

Ultimate
Protection

Designed
For Harsh
Conditions

Low Oil
Consumption

Engine
Longevity





20 Litres

5 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 20W50
Density @ 15°C	g / cm ³	DIN 51 757	0.887
Kinematic Viscosity @ 40°C	mm ² / s	DIN EN ISO 3104	75.7
Kinematic Viscosity @ 100°C	mm ² / s	DIN EN ISO 3104	12.5
Viscosity Index		DIN ISO 2909	122
Flash Point, COC	°C	DIN ISO 2592	> 230
Pour Point	°C	DIN ISO 3016	< - 27

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SPECIFICATIONS

ACEA A3 / B3 / B4 / E7
 API CI-4 / SL, VOLVO VDS-3
 DEUTZ DQC III-10, MAN M 3275-1
 IVECO 18-1804 T1 / T2 - E7
 MACK EO-M+, MB 229.1 / 228.3
 RENAULT RLD-2
 SCANIA LDF
 DAX XF
 GM ALLISON C-4
 HINO-ISUZU DH-1
 FIAT 9.55S35 - G2 / D2
 GLOBAL DHD-1
 JASO DH-1
 CAT ECF - 1 / 2
 CUMMINS 200 T1 / T2 / T6 / T7 / T8

NORCSTARK[®] HD

Superior Heavy Duty Diesel Engine Oil

HD40

API CI-4

PRODUCT DESCRIPTION

NORC STARK HD SAE 40 is a heavy duty monograde diesel engine oil designed for use in modern engines with tight tolerances. It delivers an excellent protection, performance, and fuel economy properties with extended drain intervals.

NORC STARK HD SAE 40 is manufactured using the highest quality virgin base oils including bright stock and state of the art additive technology, to ensure a finished product with unmatched performance level through providing an excellent soot handling and protection under harsh operating conditions.

NORC STARK HD SAE 40 is engineered to fulfill and / or exceed the performance requirements of ACEA E7, and it is the ideal choice for use in heavy duty engines with and without turbocharger.

BENEFITS

- Extended drain interval
- Excellent engine protection under harsh operating conditions
- Excellent soot handling
- Excellent dispersant and detergent properties
- Improve engine performance and efficiency
- Low oil consumption and fuel consumptions
- Prolong engine life and durability
- Thermal and oxidation stability



Cleanless
Sludge &
Deposits

For Diesel
Engines

Stress
& Heat
Tolerance

Ultimate
Protection

Oxidation
& Wear
Protection

Low Oil
Consumption

Engine
Longevity





20 Litres e

5 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 40
Density @ 15°C	Kg / L	ASTM D4052	0.893
Kinematic Viscosity @ 40°C	Cst	ASTM D445	129
Kinematic Viscosity @ 100°C	Cst	ASTM D445	13.5
Viscosity Index		ASTM D2270	> 95
Flash Point, COC	°C	ASTM D92	> 250
Pour point	°C	ASTM D97	< -18

SPECIFICATIONS

ACEA E7
 API CI-4
 MTU MTL 5044 TYPE 2
 MTU DDC BR 2000 / 4000
 MB 228.2
 MAN M 3275 - 2
 ALLISON C-4

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NORCSTARK[®]HD

Superior Heavy Duty Diesel Engine Oil

HD50

API CI-4

PRODUCT DESCRIPTION

NORC STARK HD SAE 50 is a heavy duty monograde diesel engine oil, designed for use in modern engines with tight tolerances. It delivers an excellent protection, performance, and fuel economy properties with extended drain intervals.

NORC STARK HD SAE 50 is manufactured using the highest quality virgin base oils including bright stock and state of the art additive technology, to ensure a finished product with unmatched performance level through providing an excellent soot handling and protection under harsh operating conditions.

NORC STARK HD SAE 50 is engineered to fulfill and / or exceed the performance requirements of ACEA E7, and it is the ideal choice for use in heavy duty engines with and without turbocharger.

BENEFITS

- Excellent engine protection under harsh operating conditions
- Good soot handling
- Good dispersant and detergent properties
- Improve engine performance and efficiency
- Low oil consumption and fuel consumptions
- Prolong engine life and durability
- Thermal and oxidation stability



Excellent
Detergency

Ultimate
Protection

Superior
Performance

For Diesel
Engines

Stress
& Heat
Tolerance

Low Oil
Consumption

Engine
Longevity





20 Litres e

5 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 50
Density @ 15°C	kg/L	ASTM D4052	0.9
Kinematic Viscosity @ 40°C	Cst	ASTM D445	235
Kinematic Viscosity @ 100°C	Cst	ASTM D445	79.5
Viscosity Index		ASTM D2270	> 95
Flash Point, COC	°C	ASTM D92	> 270
Pour Point	°C	ASTM D97	< -18

SPECIFICATIONS

ACEA E7
 API CI-4
 MB 228.0
 MAN 270
 MTU MTL S044 TYPE 1 / MTU DDC
 ZF TE-ML 04B
 CATERPILLAR TO-2
 ALLISON C-4

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NORCMOTÖL[®]FSYN-400

Fully Synthetic 4-Stroke Motorcycle Oil

5W40

JASO MA2

PRODUCT DESCRIPTION

NORCMOTÖLFSYN-400 SAE 5W-40 is a high performance fully synthetic based formulation motorcycle engine oil. It is developed for an ultimate performance and protection for air cooled 4 stroke motorcycles with wet clutch, providing a smooth gear engagement.

NORCMOTÖLFSYN-400 SAE 5W-40 protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC precisely used an advanced additive technology that reduces carbon sludge build up even under severe driving conditions. It is optimally suited for use in high stress environments.

NORCMOTÖLFSYN-400 SAE 5W-40 is tested and proven under all street and racing conditions, to produce more horse power and less wear. It is developed to meet the special requirements of latest high performance air cooled 4 stroke motorcycle oils.

BENEFITS

- Outstanding thermo-oxidative stability.
- Exceptional anti-wear, anti-rust, and anti-corrosion properties.
- Controlled frictional properties to eliminate clutch slippage.
- Enhanced output power and fuel economy properties.
- Excellent dispersancy and detergency properties
- Excellent shear stability
- Outstanding low temp properties and low volatility characteristics.



Long Drain
Interval

Prolong
Engine
Life

Enhanced
Output
Power

Ultimate
Protection

Excellent
Friction
Properties

Excellent
Oxidative
Stability

Excellent
Heat
Stability





4 Litres



1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W40
Density @ 15°C	Kg / L	ASTM D4052	846
Kinematic Viscosity @ 40°C	Cst	ASTM D445	84
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.1
Viscosity Index		ASTM D2270	171
Flash Point, COC	°C	ASTM D92	> 200
Pour Point	°C	ASTM D97	-39

SPECIFICATIONS

JASO MA2
API SL

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NORC MOTÖL[®]FSYN-600

Fully Synthetic 4-Stroke Motorcycle Oil

5W60

JASO MA

PRODUCT DESCRIPTION

NORC MOTÖLFSYN-600 SAE 5W-60 is a high performance fully synthetic based formulation engine oil. It is developed for an ultimate performance, in order to meet the special requirements of the latest high performance 4 stroke motorcycle oils. It is precisely engineered using an advanced additive technology for an ultimate protection to engine, gearbox, and wet clutch.

NORC MOTÖLFSYN-600 SAE 5W-60 protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC precisely used an advanced additive technology that reduces carbon sludge build up even under severe driving conditions. It is optimally suited for use in high stress environments.

NORC MOTÖLFSYN-600 SAE 5W-60 is tested and proven under all street and racing conditions, to produce more horse power and less wear. It is developed to meet the special requirements of latest high performance air cooled 4 stroke motorcycle oils.

BENEFITS

- Long drain interval.
- Enhanced output power.
- Excellent anti-wear, anti-rust, and anti-corrosion properties
- Optimum operation under severe driving conditions.
- Protect against carbon sludge build-up.
- Prolong engine performance and longevity.
- Excellent shear stability.



Long Drain
Interval

Prolong
Engine
Life

Enhanced
Output
Power

Ultimate
Protection

Excellent
Friction
Properties

Excellent
Oxidative
Stability

Excellent
Heat
Stability





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 5W60
Density @ 15°C	Kg / L	ASTM D4052	0.854
Kinematic Viscosity @ 40°C	Cst	ASTM D445	156
Kinematic Viscosity @ 100°C	Cst	ASTM D445	25
Viscosity Index		ASTM D2270	194
Flash Point, COC	°C	ASTM D92	> 230
Pour Point	°C	ASTM D97	< -30

SPECIFICATIONS

JASO MA
API SN

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NORC MOTÖL[®] SYN-400

Synthetic 4-Stroke Motorcycle Oil

10W40

JASO MA

PRODUCT DESCRIPTION

NORC MOTÖL SYN-400 SAE 10W-40 is a high performance synthetic based formulation engine oil. It is developed for an ultimate performance and protection for air cooled 4 stroke motorcycles with wet clutch, providing a smooth gear engagement.

NORC MOTÖL SYN-400 SAE 10W-40 protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC precisely used an advanced additive technology that reduces carbon sludge build up even under severe driving conditions. It is optimally suited for use in high stress environments.

NORC MOTÖL SYN-400 SAE 10W-40 is tested and proven under all street and racing conditions, to produce more horse power and less wear. It is developed to meet the special requirements of latest high performance air cooled 4 stroke motorcycle oils.

BENEFITS

- Outstanding thermo-oxidative stability.
- Exceptional anti-wear, anti-rust, and anti-corrosion properties.
- Controlled frictional properties to eliminate clutch slippage.
- Enhanced output power and fuel economy properties.
- Excellent dispersancy and detergency properties
- Excellent shear stability
- Outstanding low temp properties and low volatility characteristics.



Long Drain
Interval

Prolong
Engine
Life

Enhanced
Output
Power

Ultimate
Protection

Excellent
Friction
Properties

Excellent
Oxidative
Stability

Excellent
Heat
Stability





4 Litres

1 Litre

TECHNICAL DETAILS

SPECIFICATIONS

PROPERTY	UNIT	TEST METHOD	SAE 10W40
Density @ 15°C	kg / m ³	ASTM D4052	869
Kinematic Viscosity @ 40°C	mm ² / s ²	ASTM D445	99
Kinematic Viscosity @ 100°C	mm ² / s ²	ASTM D445	14.9
Viscosity Index		ASTM D2270	156
Flash Point, COC	°C	ASTM D92	> 200
Pour Point	°C	ASTM D97	< -33

JASO MA
API SL

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NORC MOTÖL[®] SYN-500

Synthetic 4-Stroke Motorcycle Oil

10W50

JASO MA

PRODUCT DESCRIPTION

NORC MOTÖL SYN-500 SAE 10W-50 is a high performance synthetic based formulation engine oil. It is developed for an ultimate performance and protection for air cooled 4 stroke motorcycles with wet clutch, providing a smooth gear engagement.

NORC MOTÖL SYN-500 SAE 10W-50 protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC precisely used an advanced additive technology that reduces carbon sludge build up even under severe driving conditions. It is optimally suited for use in high stress environments.

NORC MOTÖL SYN-500 SAE 10W-50 is tested and proven under all street and racing conditions, to produce more horse power and less wear. It is developed to meet the special requirements of latest high performance air cooled 4 stroke motorcycle oils.

BENEFITS

- Outstanding thermo-oxidative stability.
- Exceptional anti-wear, anti-rust, and anti-corrosion properties.
- Controlled frictional properties to eliminate clutch slippage.
- Enhanced output power and fuel economy properties.
- Excellent dispersancy and detergency properties
- Excellent shear stability
- Outstanding low temp properties and low volatility characteristics.



Long Drain
Interval

Prolong
Engine
Life

Enhanced
Output
Power

Ultimate
Protection

Excellent
Friction
Properties

Excellent
Oxidative
Stability

Excellent
Heat
Stability





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 10W50
Density @ 15°C	kg / m ³	ASTM D4052	871
Kinematic Viscosity @ 40°C	mm ² / s ²	ASTM D445	118
Kinematic Viscosity @ 100°C	mm ² / s ²	ASTM D445	17.6
Viscosity Index		ASTM D2270	164
Flash Point, COC	°C	ASTM D92	> 200
Pour Point	°C	ASTM D97	< - 33

SPECIFICATIONS

JASO MA
API SL

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

10W60

JASO MA

PRODUCT DESCRIPTION

NORC MOTÖL FSYN-600 SAE 10W-60 is a high performance fully synthetic based formulation engine oil. It is developed for an ultimate performance, in order to meet the special requirements of the latest high performance 4 stroke motorcycle oils. It is precisely engineered using an advanced additive technology for an ultimate protection to engine, gearbox, and wet clutch.

NORC MOTÖL FSYN-600 SAE 10W-60 protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC precisely used an advanced additive technology that reduces carbon sludge build up even under severe driving conditions. It is optimally suited for use in high stress environments.

NORC MOTÖL FSYN-600 SAE 10W-60 is tested and proven under all street and racing conditions, to produce more horse power and less wear. It is developed to meet the special requirements of latest high performance air cooled 4 stroke motorcycle oils.

BENEFITS

- Excellent shear stability.
- Long drain interval.
- Enhanced output power.
- Excellent anti-wear, anti-rust, and anti-corrosion properties.
- Optimum operation under severe driving conditions.
- Protect against carbon sludge build-up.
- Prolong engine performance and longevity.



Long Drain
Interval

Prolong
Engine
Life

Enhanced
Output
Power

Ultimate
Protection

Excellent
Friction
Properties

Excellent
Oxidative
Stability

Excellent
Heat
Stability





4 Litres

1 Litre

TECHNICAL DETAILS

SPECIFICATIONS

PROPERTY	UNIT	TEST METHOD	SAE 10W60
Density @ 15°C	kg / m ³	ASTM D4052	0.855
Kinematic Viscosity @ 40°C	mm ² / s ²	ASTM D445	183
Kinematic Viscosity @ 100°C	mm ² / s ²	ASTM D445	25
Viscosity Index		ASTM D2270	160
Flash Point, COC	°C	ASTM D92	> 230
Pour Point	°C	ASTM D97	< -30

JASO MA
API SN

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC MOTÖL[®] SYN-500

Synthetic 4-Stroke Motorcycle Oil

15W50

JASO MA

PRODUCT DESCRIPTION

NORC MOTÖL SYN-500 SAE 15W-50 is a high performance synthetic based formulation engine oil. It is developed for an ultimate performance and protection for air cooled 4 stroke motorcycles with wet clutch, providing a smooth gear engagement.

NORC MOTÖL SYN-500 SAE 15W-50 protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC precisely used an advanced additive technology that reduces carbon sludge build up even under severe driving conditions. It is optimally suited for use in high stress environments.

NORC MOTÖL SYN-500 SAE 15W-50 is tested and proven under all street and racing conditions, to produce more horse power and less wear. It is developed to meet the special requirements of latest high performance air cooled 4 stroke motorcycle oils.

BENEFITS

- Outstanding thermo-oxidative stability.
- Exceptional anti-wear, anti-rust, and anti-corrosion properties.
- Controlled frictional properties to eliminate clutch slippage.
- Enhanced output power and fuel economy properties.
- Excellent dispersancy and detergency properties
- Excellent shear stability
- Outstanding low temp properties and low volatility characteristics.



Long Drain
Interval

Prolong
Engine
Life

Enhanced
Output
Power

Ultimate
Protection

Excellent
Friction
Properties

Excellent
Oxidative
Stability

Excellent
Heat
Stability





4 Litres

1 Litre

TECHNICAL DETAILS

SPECIFICATIONS

PROPERTY	UNIT	TEST METHOD	SAE 15W50
Density @ 15°C	kg / m ³	ASTM D4052	876
Kinematic Viscosity @ 40°C	mm / s ²	ASTM D445	134
Kinematic Viscosity @ 100°C	mm / s ²	ASTM D445	17.3
Viscosity Index		ASTM D2270	147
Flash Point, COC	°C	ASTM D92	> 200
Pour Point	°C	ASTM D97	< -33

JASO MA
API SL

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC MOTÖL[®] SYN-500

Synthetic 4-Stroke Motorcycle Oil

20W50

JASO MA2

PRODUCT DESCRIPTION

NORC MOTÖL SYN-500 SAE 20W-50 is a high performance synthetic based formulation engine oil. It is developed for an ultimate performance and protection for air cooled 4 stroke motorcycles with wet clutch, providing a smooth gear engagement.

NORC MOTÖL SYN-500 SAE 20W-50 protects against friction, heat and corrosion, keeping engines healthy and efficient. NORC precisely used an advanced additive technology that reduces carbon sludge build up even under severe driving conditions. It is optimally suited for use in high stress environments.

NORC MOTÖL SYN-500 SAE 20W-50 is tested and proven under all street and racing conditions, to produce more horse power and less wear. It is developed to meet the special requirements of latest high performance air cooled 4 stroke motorcycle oils.

BENEFITS

- Outstanding thermo-oxidative stability.
- Exceptional anti-wear, anti-rust, and anti-corrosion properties.
- Controlled frictional properties to eliminate clutch slippage.
- Enhanced output power and fuel economy properties.
- Excellent dispersancy and detergency properties
- Excellent shear stability
- Outstanding low temp properties and low volatility characteristics.



Long Drain
Interval

Prolong
Engine
Life

Enhanced
Output
Power

Ultimate
Protection

Excellent
Friction
Properties

Excellent
Oxidative
Stability

Excellent
Heat
Stability





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 20W50
Density @ 15°C	kg / m ³	ASTM D4052	879
Kinematic Viscosity @ 40°C	mm ² / s ²	ASTM D445	140.6
Kinematic Viscosity @ 100°C	mm ² / s ²	ASTM D445	21.0
Viscosity Index		ASTM D2270	175
Flash Point, COC	°C	ASTM D92	> 200
Pour Point	°C	ASTM D97	< - 35

SPECIFICATIONS

JASO MA2
API SN

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NORC MOTÖL[®] MIN-2T

2-Stroke Gasoline Engine Oil

JASO FC

PRODUCT DESCRIPTION

NORC MOTÖL MIN-2T is a low smoke high performance 2 stroke gasoline engine oil. It is developed for an ultimate performance and protection for 2 stroke gasoline engines running under high temperature, high load conditions, and with lean oil / fuel mixtures (2%). It is suitable for lead free gasoline.

NORC MOTÖL MIN-2T may be used in high performance 2 stroke gasoline engines for on-land use (including those with water cooling) such as motorcycles, mopeds, motor scooters, chainsaw applications, and other 2 stroke engines (Not Outboards) requiring premixing or having oil injection systems.

BENEFITS

- Excellent cylinder and bearing lubrication.
- Low ash additive system preventing deposits.
- Outstanding high temperature deposit control.
- Low smoke at engine start and under traffic conditions.
- Prevent piston ring sticking.
- Reduced exhaust system blockage.
- Reduced spark plug fouling and deposit induced pre-ignition.
- Improved anti-rust and corrosion protection.
- Good fluidity at low temperature.
- Self-mixing in oil injection systems and premix application - SAE Class3.



Long Drain
Interval

Prolong
Engine
Life

Enhanced
Output
Power

Ultimate
Protection

Excellent
Friction
Properties

Excellent
Oxidative
Stability

Excellent
Heat
Stability





4 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	2 STROKE
Density @ 15°C	kg / m ³	ASTM D1529B	863
Kinematic Viscosity @ 40°C	mm ² / s ²	ASTM D445	62.8
Kinematic Viscosity @ 100°C	mm ² / s ²	ASTM D445	9.3
Viscosity Index		ASTM D2270	127
Sulfated Ash	% Mass	ASTM D874	0.5
Flash Point	°C	ASTM D93	> 95
Pour Point	°C	ASTM D97	< -30

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

JASO FC
API TC ++
TISI 1040

NORC SYNTHOGEAR

Fully Synthetic Manual Gear Oil

75W90

API GL4+/GL-5

PRODUCT DESCRIPTION

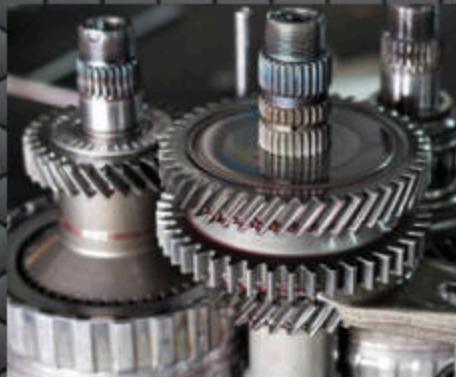
NORC SYNTHOGEAR 75W-90 is a 100% synthetic multi-Grade manual gear oil, especially developed for the broad usage spectrum in manual transmissions.

NORC SYNTHOGEAR 75W-90 is manufactured using the highest quality synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC SYNTHOGEAR 75W-90 is engineered to fulfill and / or exceed the performance requirements of API GL4+ / GL-5.

BENEFITS

- Broad usage spectrum.
- Superior thermal stability.
- Resistance to high temperature oxidation.
- Excellent shear stability.
- Excellent rust and corrosion protection.
- Resistance to foaming.
- Excellent low temperature fluidity.
- Minimal deposits for extended gear and bearing life.
- Excellent film strength under severe operating conditions.
- Excellent load carrying capabilities.
- Compatible with seals and gaskets.



Thermal
Stability

100%
Synthetic

Compatible
With Seal

Resistance
to Foaming

Extended
Gear Life

High Load
Capacity

Oxidation
& Wear
Protection





20 Litres e

1 Litre e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	75W90
Density @ 15°C	kg/L	ASTM D4052	0.865
Kinematic Viscosity @ 40°C	Cst	ASTM D445	108
Kinematic Viscosity @ 100°C	Cst	ASTM D445	14.7
Viscosity Index		ASTM D2270	148
Flash Point, COC	°C	ASTM D92	> 200
Pour point	°C	ASTM D97	< -48

SPECIFICATIONS

API GL4+ / GL-5
MT-1
SCANIA STO 1.0 BOX
SAE J 2360
ZF TE-ML 02B, 05B, 07A, 08, 12B, 16F, 17B, 19C, 21B
MB 235.8
MACK GO-J
MAN 341 Z2, 341 E3, 342 M3
IVECO AXLES
VOITH 3.325-340
MIL-L-2105E

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC SYNTHOGEAR LS

Fully Synthetic Manual Gear Oil

75W90

API GL4+/GL-5

PRODUCT DESCRIPTION

NORC SYNTHOGEAR LS 75W-90 is a 100% Synthetic Limited Slip Multi-Grade manual gear oil, specially developed for the broadest usage spectrum in manual transmissions.

NORC SYNTHOGEAR LS 75W-90 is manufactured using the highest quality synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level required for Limited Slip Differentials.

NORC SYNTHOGEAR LS 75W-90 is engineered to fulfill and / or exceed the performance requirements of API GL4+ / GL-5 specifications.

BENEFITS

- Broad usage spectrum including limited slip differentials.
- Superior thermal stability.
- Resistance to high temperature oxidation.
- Excellent shear stability.
- Excellent rust and corrosion protection.
- Resistance to foaming.
- Excellent low temperature fluidity.
- Minimal deposits for extended gear and bearing life.
- Excellent film strength under severe operating conditions.
- Excellent load carrying capabilities.
- Compatible with seals and gaskets.



Thermal
Stability

100%
Synthetic

Compatible
With Seal

Resistance
to Foaming

Extended
Gear Life

High Load
Capacity

Oxidation
& Wear
Protection





20 Litres e

1 Litre e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SYN LS 75W90
Density @ 15°C	kg/L	ASTM D4052	0.867
Kinematic Viscosity @ 40°C	Cst	ASTM D445	104
Kinematic Viscosity @ 100°C	Cst	ASTM D445	15
Viscosity Index		ASTM D2270	154
Flash Point, COC	°C	ASTM D92	> 210
Pour point	°C	ASTM D97	< - 54

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

API GL4+ / GL-5
MT-1
SCANIA STO 1.0 BOX
SAE J2360
ZF TE-ML 02B, 05B, 07A, 08, 12B, 16F, 17B, 19C, 21B
MB 235.8
MACK GO-J
MAN 341 Z2, 341 E3, 342 M3
IVECO AXLES
VOITH 3.325-340
MIL-L-2105E
ARVINMERITOR 0-76N
INTERNATIONAL TMS-6816
DAF API GL-5
RENAULT AXLES

NORC SYNTHOGEAR LS

Fully Synthetic Manual Gear Oil

75W140

API GL4+/GL-5

PRODUCT DESCRIPTION

NORC SYNTHOGEAR LS 75W-140 is a 100% Synthetic Limited Slip Multi-Grade manual gear oil, specially developed for the broadest usage spectrum in manual transmissions.

NORC SYNTHOGEAR LS 75W-140 is manufactured using the highest quality synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level required for Limited Slip Differentials.

NORC SYNTHOGEAR LS 75W-140 is engineered to fulfill and / or exceed the performance requirements of API GL4+ / GL-5 specifications.

BENEFITS

- Broad usage spectrum including limited slip differentials.
- Superior thermal stability.
- Resistance to high temperature oxidation.
- Excellent shear stability.
- Excellent rust and corrosion protection.
- Resistance to foaming.
- Excellent low temperature fluidity.
- Minimal deposits for extended gear and bearing life.
- Excellent film strength under severe operating conditions.
- Excellent load carrying capabilities.
- Compatible with seals and gaskets.



Thermal
Stability

100%
Synthetic

Compatible
With Seal

Resistance
to Foaming

Extended
Gear Life

High Load
Capacity

Oxidation
& Wear
Protection





20 Litres e

1 Litre e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SYN LS 75W140
Density @ 15°C	kg/L	ASTM D4052	0.870
Kinematic Viscosity @ 40°C	Cst	ASTM D445	162
Kinematic Viscosity @ 100°C	Cst	ASTM D445	25
Viscosity Index		ASTM D2270	130
Flash Point, COC	°C	ASTM D92	> 220
Pour point	°C	ASTM D97	< - 54

SPECIFICATIONS

API GL4+ / GL-5
 MT-1
 SCANIA STO 1.0 BOX
 SAE J2360
 ZF TE-ML 02B, 05B, 07A, 08, 12B, 16F, 17B, 19C, 21B
 MB 235.8
 MACK GO-J
 MAN 341 Z2, 341 E3, 342 M3
 IVECO AXLES
 VOITH 3.325-340
 MIL-L-2105E

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC GEARÖL®

High Performance Manual Gear Oil

80W90

API GL-4/GL-5

PRODUCT DESCRIPTION

NORC GEARÖL 80W-90 is a high performance Multi-Grade manual gear oil, specially developed for the broadest usage spectrum in manual transmissions.

NORC GEARÖL 80W-90 is manufactured using the highest quality mineral base stocks and state of the art additive technology, to ensure a finished product with an unmatched protection and performance levels.

NORC GEARÖL 80W-90 is engineered to fulfill and / or exceed the performance requirements of API GL-4 / GL-5 specifications.

BENEFITS

- Broad usage spectrum.
- Superior thermal stability.
- Resistance to high temperature oxidation.
- Excellent shear stability.
- Excellent rust and corrosion protection.
- Resistance to foaming.
- Excellent low temperature fluidity.
- Minimal deposits for extended gear and bearing life.
- Excellent film strength under severe operating conditions.
- Excellent load carrying capabilities.
- Compatible with seals and gaskets.



Extends
Life of
Gears

Minimal
Deposits

Prevents
Formation
of Foam

Oxidation
& Wear
Protection

Thermal
Stability

Excellent
Load
Carrying

Compatible
With Seals





20 Litres e

1 Litre e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	80W-90
Density @ 15°C	kg/L	ASTM D4052	0.891
Kinematic Viscosity @ 40°C	Cst	ASTM D445	164.2
Kinematic Viscosity @ 100°C	Cst	ASTM D445	17.3
Viscosity Index		ASTM D2270	114
Flash Point, COC	°C	ASTM D92	> 200
Pour point	°C	ASTM D97	< -30

SPECIFICATIONS

API GL-4 / GL-5
 MT-1
 MB 235.20
 MAN 342 M3
 VOLVO 97310
 MACK GO-J
 SCANIA STO 1:0
 SAE J2360
 ARVIN MERITOR 076-D
 DAF API GL-5
 ZF TE-ML 05B, 07A, 08, 12E, 16B, 17B, 19B, 21A
 IVECO AXLES
 RENAULT AXLES

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC GEARÖL^{LS}

Limited Slip Manual Gear Oil

80W90

API GL-5

PRODUCT DESCRIPTION

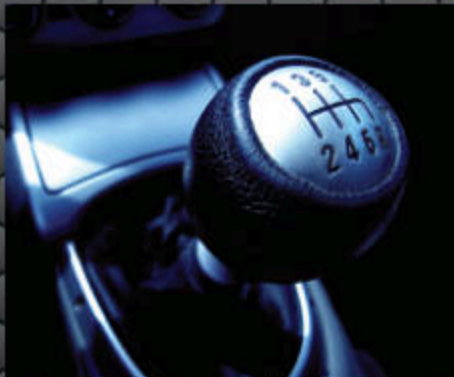
NORC GEARÖL LS 80W-90 is a high performance Multi-Grade Limited Slip manual gear oil, specially developed for the broadest usage spectrum in manual transmissions.

NORC GEARÖL LS 80W-90 is manufactured using the highest quality mineral base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level required for Limited Slip Differentials.

NORC GEARÖL LS 80W-90 is engineered to fulfill and / or exceed the performance requirements of API GL-5 specifications.

BENEFITS

- Broad usage spectrum including limited slip differentials.
- Superior thermal stability.
- Resistance to high temperature oxidation.
- Excellent shear stability.
- Excellent rust and corrosion protection.
- Resistance to foaming.
- Excellent low temperature fluidity.
- Minimal deposits for extended gear and bearing life.
- Excellent film strength under severe operating conditions.
- Excellent load carrying capabilities.
- Compatible with seals and gaskets.



Extends
Life of
Gears

Minimal
Deposits

Prevents
Formation
of Foam

Oxidation
& Wear
Protection

Thermal
Stability

Excellent
Load
Carrying

Compatible
With Seals





20 Litres e

1 Litre e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	LS 80W-90
Density @ 15°C	kg/L	ASTM D4052	0.893
Kinematic Viscosity @ 40°C	Cst	ASTM D445	164.6
Kinematic Viscosity @ 100°C	Cst	ASTM D445	17.7
Viscosity Index		ASTM D2270	118
Flash Point, COC	°C	ASTM D92	> 210
Pour point	°C	ASTM D97	< -30

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SPECIFICATIONS

API GL-5
 MT-1
 MB 235.20
 MAN 342 M3
 VOLVO 97310
 MACK GO-J
 SCANIA ST0 1:0
 SAE J 2360
 ARVIN MERITOR 076-D
 DAF API GL-5
 ZF TE-ML 05B, 07A, 08, 12E, 16B, 17B, 19B, 21A
 IVECO AXLES
 RENAULT AXLES

NORC GEARÖL[®] HP

High Pressure Manual Gear Oil

85W140

API GL-5

PRODUCT DESCRIPTION

NORC GEARÖL HP 85W-140 is a high performance multi-grade high pressure manual gear oil, specially developed for the broadest usage spectrum in manual transmissions.

NORC GEARÖL HP 85W-140 is manufactured using the highest quality mineral base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC GEARÖL HP 85W-140 is engineered to fulfill and / or exceed the performance requirements of API GL-5 specifications.

BENEFITS

- Broad usage spectrum.
- Excellent shear stability.
- Excellent rust and corrosion protection.
- Excellent film strength under severe operating conditions.
- Excellent load carrying capabilities.
- Minimal deposits for extended gear and bearing life.
- Resistance to high temperature oxidation.
- Resistance to foaming.
- Reliable lubrication and minimum leakage.
- Superior thermal stability.



Excellent
Shear
Stability

Extends
Life of
Gears

Prevents
Formation
of Foam

Excellent
Load
Carrying

Minimal
Deposits

Thermal
Stability

Oxidation
& Wear
Protection





20 Litres e

1 Litre e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	HP 85W140
Density @ 15°C	kg/L	ASTM D4052	0.905
Kinematic Viscosity @ 40°C	Cst	ASTM D445	365
Kinematic Viscosity @ 100°C	Cst	ASTM D445	26
Viscosity Index		ASTM D2270	95
Flash Point, COC	°C	ASTM D92	> 210
Pour point	°C	ASTM D97	< -30

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SPECIFICATIONS

API GL-5
MT-1
VOLVO 97310
IVECO AXLES
MACK GO-J
SCANIA STO 1.0
ARVIN MERITOR 076-A
DAF API GL-5
ZF TE-ML 05A, 07A, 08, 12E, 16D, 21A

NORC TRAMATIC[®] DEX IID

Semi Synthetic Automatic Transmission Fluid

PRODUCT DESCRIPTION

NORC TRAMATIC DEX IID is a semi synthetic based Automatic Transmission Fluid (ATF), especially developed for a broad usage spectrum in automatic transmissions, power steering units, and hydraulic drives.

NORC TRAMATIC DEX IID is manufactured using the highest quality Synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC TRAMATIC DEX IID is engineered to fulfill and / or exceed the performance requirements of DEXRON IID specifications.

BENEFITS

- Wide range of applications
- Excellent anti-wear properties for different operating conditions
- Excellent viscosity retention behavior
- Excellent oxidation and thermal stability
- Extended drain interval
- Improve transmission efficiency and durability
- Prolong transmission life
- Prevention of oil thickening and deposits formation
- Smooth gear shifting and torque transfer
- Sufficient film lubrication for enhanced protection



Synthetic

Smooth
Shifting

Prevents
Overheating

Superior
Frictional
Properties

Ultimate
Protection

Resist
Sludge &
Deposits

Extends
Life of the
Gears





20 Litres e

1 Litre e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	DEX IID
Density @ 15°C	kg/L	ASTM D4052	0.867
Kinematic Viscosity @ 40°C	Cst	ASTM D445	34.81
Kinematic Viscosity @ 100°C	Cst	ASTM D445	7
Viscosity Index		ASTM D2270	130
Flash Point, COC	°C	ASTM D92	> 210
Pour point	°C	ASTM D97	- 23

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

DEXRON IID
 MB 236.9
 ALLISON C-4
 VOITH 55.6335.XX
 MAN M 339 TYPE V-1 / 339 Z-1
 FORD MERCON
 ZF TE-ML 03D, 04D, 09, 11A, 14A, 17C

NORC TRAMATIC[®] DEX IIIH

Semi Synthetic Automatic Transmission Fluid

PRODUCT DESCRIPTION

NORC TRAMATIC DEX IIIH is a semi synthetic based Automatic Transmission Fluid (ATF), especially developed for a broad usage spectrum in automatic transmissions, power steering units, and hydraulic drives.

NORC TRAMATIC DEX IIIH is manufactured using the highest quality Synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC TRAMATIC DEX IIIH is engineered to fulfill and / or exceed the performance requirements of DEXRON IIIH specifications.

BENEFITS

- Excellent anti-wear properties for different operating conditions
- Excellent viscosity retention behavior
- Excellent oxidation and thermal stability
- Extended drain interval
- Improve transmission efficiency and durability
- Prolong transmission life
- Prevention of oil thickening and deposits formation
- Smooth gear shifting and torque transfer
- Sufficient film lubrication for enhanced protection
- Wide range of applications



Synthetic

Smooth
Shifting

Prevents
Overheating

Superior
Frictional
Properties

Ultimate
Protection

Resist
Sludge &
Deposits

Extends
Life of the
Gears





20 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	DEX IIIH
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	36.8
Kinematic Viscosity @ 100°C	Cst	ASTM D445	7.3
Viscosity Index		ASTM D2270	168
Flash Point, COC	°C	ASTM D92	> 210
Pour point	°C	ASTM D97	< -45

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

DEXRON IIIH
 MB 236.1 / 236.6 / 236.9 / 236.10
 ZF TE-ML 04D, 05L, 14B/C, 16L, 17C
 VOITH H 55.6336.3X
 VOLVO TRANSMISSION OIL 97341
 VOLVO 1161521 / 1161621
 ALLISON C-4
 BMW LA-2634 / LT-71141 / ETL 7045 E
 FORD M2C195-A / M2C202-B / M2C922-A1
 GM 9986195
 HYUNDAI / KIA / MITSUBISHI SP-II/-III
 MAN 339 TYPE V1 / V2 / Z2 / Z3

NORC TRAMATIC Universal®

HC Synthetic Automatic Transmission Fluid

PRODUCT DESCRIPTION

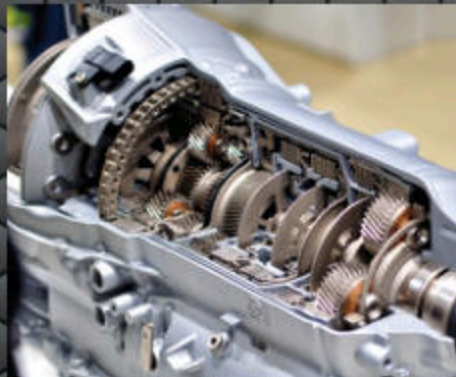
NORC TRAMATIC UNIVERSAL is a premium HC Synthetic based Automatic Transmission Fluid (ATF), precisely engineered and formulated for a broad usage spectrum in automatic transmissions, power steering units and hydraulic drives.

NORC TRAMATIC UNIVERSAL is manufactured using the highest quality HC-Synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC TRAMATIC UNIVERSAL is engineered to fulfill and / or exceed the performance requirements of DEXRON IIIH specifications.

BENEFITS

- Special formulation for a wide range of applications
- Smooth gear shifting and torque transfer.
- Prolong transmission life.
- Sufficient film lubrication for enhanced protection.
- Excellent anti-wear properties for different operating conditions.
- Excellent viscosity retention behavior.
- Excellent oxidation and thermal stability.
- Improve transmission efficiency and durability.
- Extended drain interval.
- Prevents overheating.
- Resistance against sludge and deposit formation.



Multi-Applications

Smooth Shifting

Extends Life of Gears

Ultimate Protection

Thermal Stability

Long Life

Resist Sludge & Deposits





20 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	UNIVERSAL
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	29.4
Kinematic Viscosity @ 100°C	Cst	ASTM D445	6.1
Viscosity Index		ASTM D2270	161
Flash Point, COC	°C	ASTM D92	> 210
Pour point	°C	ASTM D97	< - 45

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

DEXRON IIIH
 AISIN WAMER JWS 3309 / 3314
 ALLISON C-4
 BMW LA 2634 / LT 71141 / ETL 7045 E
 FORD M2C195-A / M2C202-B / M2C922-A1 / WSS-
 M2C924-A, GM 9986195
 HUYNDAI / KIA / MITSUBISHI SP-II / -III
 MAN 339 TYPE V1 / V2 / Z2 / Z3
 VOITH H55.6335.XX / H55.6336.XX
 VOLVO 973341, VW TL 52 162 / G 055 025
 ZF TE-ML 02F, 04D, 11B, 14B/C, 16L, 17C
 MB 236.6 / 236.9 / 236.10 / 236.11
 MERCON / MERCON V
 NISSAN MATIC-D / J / K
 TOYOTA T-IV

NORC TRAMATIC Ultimate

Fully Synthetic Automatic Transmission Fluid

DEX VI

PRODUCT DESCRIPTION

NORC TRAMATIC Ultimate DEX VI is a premium fully synthetic multi-functional Automatic Transmission Fluid (ATF), especially developed to be used in a wide applications spectrum.

NORC TRAMATIC Ultimate DEX VI is manufactured using the highest quality synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC TRAMATIC Ultimate DEX VI is engineered to fulfill and / or exceed the performance requirements of DEXRON VI specifications.

BENEFITS

- Smooth gear shifting and torque transfer.
- Wide range of applications.
- Prolong transmission life.
- Sufficient film lubrication for enhanced protection.
- Excellent anti-wear properties for different operating conditions.
- Excellent viscosity retention behavior.
- Excellent oxidation and thermal stability.
- Improve transmission efficiency and durability.
- Extended drain interval.
- Prevents overheating.
- Resistance against sludge and deposit formation.



Multi-
Functional

100%
Synthetic

Long Drain
Interval

Superior
Performance

Ultimate
Protection

Resist
Sludge &
Deposits

Smooth
Shifting





20 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	Ultimate DEX VI
Density @ 15°C	kg/L	ASTM D4052	0.847
Kinematic Viscosity @ 40°C	Cst	ASTM D445	29.7
Kinematic Viscosity @ 100°C	Cst	ASTM D445	6
Viscosity Index		ASTM D2270	153
Flash Point, COC	°C	ASTM D92	> 210
Pour point	°C	ASTM D97	< -45

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SPECIFICATIONS

DEXRON VI
 MB 236.41
 DAIMLER-CHRYSLER ATF +3 / ATF +4
 HYUNDAI SP-IV
 ZF M 1375
 BMW ETL 7045 E / ETL 8072 B

NORC TRAMATIC Ultimate 6-SPEED

Fully Synthetic Automatic Transmission Fluid

PRODUCT DESCRIPTION

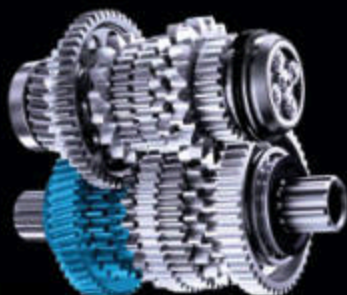
NORC TRAMATIC ULTIMATE 6-SPEED is a high performance Automatic Transmission Fluid (ATF), based on a fully synthetic technology and precisely engineered for use in modern 6-Speed automatic transmissions.

NORC TRAMATIC ULTIMATE 6-SPEED is manufactured using the highest quality synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC TRAMATIC ULTIMATE 6-SPEED is engineered to fulfill and / or exceed the performance requirements of VW / AUDI G 055 005.

BENEFITS

- Unmatched performance
- Smooth gear shifting and torque transfer
- Prolong transmission life
- Sufficient film lubrication for enhanced protection
- Excellent anti-wear properties for different operating conditions
- Excellent viscosity retention behavior
- Excellent oxidation and thermal stability
- Improve transmission efficiency and durability
- Extended drain interval
- Resistance against sludge and deposit formation
- Prevents overheating



For Modern
6 Speed
Transmissions

Smooth
Shifting

Thermal
Stability

Superior
Performance

Ultimate
Protection

Resist
Sludge &
Deposits

Superior
Frictional
Properties





20 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	ULTIMATE 6-SPEED
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	31.1
Kinematic Viscosity @ 100°C	Cst	ASTM D445	6.1
Viscosity Index		ASTM D2270	148
Flash Point, COC	°C	ASTM D92	> 200
Pour point	°C	ASTM D97	< -45

SPECIFICATIONS

MERCON 5P / LV
 BMW M 1375.4
 BMW 83220142516
 HYUNDAI 040000C905G
 JAGUAR 8432
 LAND ROVER TYK 500050
 VW / AUDI G 055 005
 ZF TE-ML 11

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC TRAMATIC Ultimate 7-SPEED

Fully Synthetic Automatic Transmission Fluid

PRODUCT DESCRIPTION

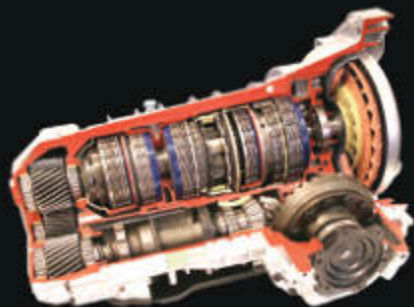
NORC TRAMATIC ULTIMATE 7-SPEED is a high performance Automatic Transmission Fluid (ATF), based on a fully synthetic technology and precisely engineered for use in modern 7-Speed automatic transmissions.

NORC TRAMATIC ULTIMATE 7-SPEED is manufactured using the highest quality synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC TRAMATIC ULTIMATE 7-SPEED is engineered to fulfill and / or exceed the performance requirements of MB 236.14

BENEFITS

- Unmatched performance
- Smooth gear shifting and torque transfer
- Prolong transmission life
- Sufficient film lubrication for enhanced protection
- Excellent anti-wear properties for different operating conditions
- Excellent viscosity retention behavior
- Excellent oxidation and thermal stability
- Improve transmission efficiency and durability
- Extended drain interval
- Resistance against sludge and deposit formation
- Prevents overheating



For Modern
7 Speed
Transmissions

Smooth
Shifting

Thermal
Stability

Superior
Performance

Ultimate
Protection

Resist
Sludge &
Deposits

Superior
Frictional
Properties





20 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	ULTIMATE 7-SPEED
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	28.7
Kinematic Viscosity @ 100°C	Cst	ASTM D445	6.0
Viscosity Index		ASTM D2270	162
Flash Point, COC	°C	ASTM D92	> 200
Pour point	°C	ASTM D97	< -45

SPECIFICATIONS

MB 236.14

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NORC TRAMATIC Ultimate 7-SPEED BLUE

Fully Synthetic Automatic Transmission Fluid

PRODUCT DESCRIPTION

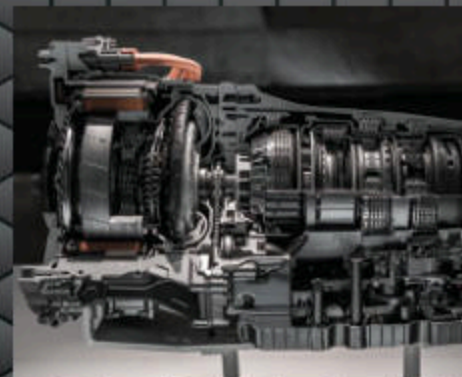
NORC TRAMATIC ULTIMATE 7-SPEED is a high performance and quality Automatic Transmission Fluid (ATF), based on a fully synthetic technology and precisely engineered for use in the last generation MB (NAG II+) 7-G Tronic Plus Automatic Transmissions.

NORC TRAMATIC ULTIMATE 7-SPEED is manufactured using the highest quality synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC TRAMATIC ULTIMATE 7-SPEED is engineered to fulfill and / or exceed the performance requirements of MB 236.15

BENEFITS

- Excellent thermal and oxidation stability.
- Excellent low temperature properties.
- Outstanding shifting even at low temperatures.
- High viscosity index.
- Fuel saving properties.
- Excellent protection against foaming.
- Superior anti-wear and anti-corrosion properties.
- Extended drain interval.
- Prevents overheating.
- Improve transmissions efficiency and durability.
- Resistance against sludge and deposits formation.



For Modern
7 Speed
Transmissions

Smooth
Shifting

Thermal
Stability

Superior
Performance

Ultimate
Protection

Resist
Sludge &
Deposits

Superior
Frictional
Properties





20 Litres e

5 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	7 SPEED BLUE
Color	kg / m ³		Blue
Density @ 15°C	mm / s ²	ASTM D4052	843
Kinematic Viscosity @ 40°C	mm / s ²	ASTM D7042	28
Kinematic Viscosity @ 100°C		ASTM D7042	5.8
Viscosity Index	°C	ASTM D2270	160
Flash Point, COC	°C	ASTM D92	> 180
Pour Point		ASTM D97	< -40

SPECIFICATIONS

MB 236.15

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NORC TRAMATIC Ultimate 9-SPEED

Fully Synthetic Automatic Transmission Fluid

PRODUCT DESCRIPTION

NORC TRAMATIC ULTIMATE 9-SPEED is a high performance Automatic Transmission Fluid (ATF), based on a fully synthetic technology and precisely engineered for use in modern 9-Speed automatic transmissions.

NORC TRAMATIC ULTIMATE 9-SPEED is manufactured using the highest quality synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC TRAMATIC ULTIMATE 9-SPEED is engineered to fulfill and / or exceed the performance requirements of VW / AUDI G 060 162.

BENEFITS

- Unmatched performance
- Smooth gear shifting and torque transfer
- Prolong transmission life
- Sufficient film lubrication for enhanced protection
- Excellent anti-wear properties for different operating conditions
- Excellent viscosity retention behavior
- Excellent oxidation and thermal stability
- Improve transmission efficiency and durability
- Extended drain interval
- Resistance against sludge and deposit formation
- Prevents overheating



For Modern
9 Speed
Transmissions

Smooth
Shifting

Thermal
Stability

Superior
Performance

Ultimate
Protection

Resist
Sludge &
Deposits

Superior
Frictional
Properties





20 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	ULTIMATE 9-SPEED
Density @ 15°C	kg/L	ASTM D4052	0.842
Kinematic Viscosity @ 40°C	Cst	ASTM D445	303
Kinematic Viscosity @ 100°C	Cst	ASTM D445	6.3
Viscosity Index		ASTM D2270	166
Flash Point, COC	°C	ASTM D92	> 220
Pour point	°C	ASTM D97	< -45

SPECIFICATIONS

VW / AUDI G 060 162
 CHRYSLER 68157995AA
 BMW 83222152426 (L12108)
 JAGUAR 02JDE26444
 LAND ROVER LR023288

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NORC TRAMATIC Ultimate CVT

Fully Synthetic Automatic Transmission Fluid

PRODUCT DESCRIPTION

NORC TRAMATIC ULTIMATE CVT is a fully synthetic high performance Automatic Transmission Fluid CVT (Continuous Variable Transmission) based on the latest generation of synthetic base stocks and state of the art additive technology.

NORC TRAMATIC ULTIMATE CVT is especially engineered for use in modern CVT (Continuous Variable Transmission) as per manufacturer's instructions.

NORC TRAMATIC ULTIMATE CVT is engineered to fulfill and / or exceed the performance requirements of VW / AUDI G 052 180, TL 52 180, G 052 516.

BENEFITS

- 100% synthetic formulation
- Unmatched performance & stability
- Long drain interval
- Exceptional anti-wear characteristics
- Excellent overheating prevention
- Superior frictional properties
- High oxidation stability
- High ageing stability
- Resistance against sludge and deposit formation
- Superior corrosion protection
- Prolong components life and durability



For
Modern
CVT

100%
Synthetic

Prevents
Overheating

Superior
Frictional
Properties

Ultimate
Protection

Resist
& Sludge
Deposits

Improves
Gears
Durability





20 Litres e

1 Litre e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	Ultimate CVT
Density @ 15°C	kg/L	ASTM D4052	0.850
Kinematic Viscosity @ 40°C	Cst	ASTM D445	35.0
Kinematic Viscosity @ 100°C	Cst	ASTM D445	7.25
Viscosity Index		ASTM D2270	118
Flash Point, COC	°C	ASTM D92	> 210
Pour point	°C	ASTM D97	< -50

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SPECIFICATIONS

AUDI / VW G 052 180, TL 52 180, G 052 516
 BMW / MINI EZL 799
 CHRYSLER / DODGE NS-2 / CVTF +4
 DAIHATSU TC
 FORD CVT23 / CVT30 / MERCON C
 GM / SATURN DEX-CVT
 HONDA HMMF
 KIA / HYUNDAI CVTF
 MB 236.20
 MITSUBISHI CVTF-J1
 NISSAN NS-2
 TOYOTA TC
 SUBARU NS-2 / CVTF
 SUZUKI TC / NS-2 / CVT GREEN 1

NORC TRAMATIC Ultimate DSG II

Fully Synthetic Automatic Transmission Fluid

PRODUCT DESCRIPTION

NORC TRAMATIC ULTIMATE DSG II is a high performance 100% synthetic Dual Clutch Transmission Fluid (DCT). It is precisely developed to operate under high loads, high operating temperatures, and high speed conditions.

NORC TRAMATIC ULTIMATE DSG II is manufactured using the highest quality synthetic base stocks and state of the art additive technology, to ensure a finished product with an unmatched performance level.

NORC TRAMATIC ULTIMATE DSG II is engineered to fulfill and / or exceed the performance requirements of VW / AUDI G 052 182, G 052 529, TL 052 182 specifications.

BENEFITS

- Superior performance under extreme operating parameters.
- Excellent shear resistance and gear protection.
- Reduction of operating temperature.
- Proper gear shifting.
- Excellent clutch performance.
- Prolong transmission life.
- Sufficient film lubrication for enhanced protection.
- Excellent viscosity retention behavior.
- Excellent oxidation and thermal stability.
- Improve transmission efficiency and components durability.
- Resistance against sludge and deposit formation.



100%
Synthetic

Smooth
Shifting

Thermal
Stability

Superior
Performance

Ultimate
Protection

Resist
Sludge &
Deposits

Long
Life





20 Litres e

1 Litre e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	ULTIMATE DSG II
Density @ 15°C	kg/L	ASTM D4052	0.849
Kinematic Viscosity @ 40°C	Cst	ASTM D445	38
Kinematic Viscosity @ 100°C	Cst	ASTM D445	7.5
Viscosity Index		ASTM D2270	130
Flash Point, COC	°C	ASTM D92	> 195
Pour point	°C	ASTM D97	< - 45

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SPECIFICATIONS

FORD WSS-M2C936-A
 BMW DCTF-1 / FFL-4 / MTF-S
 CHRYSLER 68044345EA
 MB 236.21
 MITSUBISHI DIA QUEEN SSTF-I
 PORSCHE 999.917.080.00
 PSA 9734.S2
 VOLVO 1161838 / 1161839
 VW / AUDI G 052 182, G 052 529, TL 052 182

NORC TRAMATIC Ultimate CHF

Fully Synthetic Central Hydraulic Fluid

PRODUCT DESCRIPTION

NORC TRAMATIC ULTIMATE CHF is a special fully synthetic high performance hydraulic fluid for use in central hydraulic systems with an improved behavior at cold temperatures.

NORC TRAMATIC ULTIMATE CHF is precisely engineered with the most advanced synthetic base oils and additive, to provide an exceptional performance level.

NORC TRAMATIC ULTIMATE CHF is designed for use in central hydraulic systems subjected to high loads, power steering systems, sunroof mechanism and shock absorbers. Its exceptional viscosity-temperature behavior guarantees safe operation at steady-state temperatures, as well as sensitive response characteristics at very low temperatures.

BENEFITS

- Special fully synthetic formulation.
- Excellent viscosity-temperature behavior and high shear stability.
- Sensitive response characteristics even at extremely low temperatures.
- Maximum ageing and oxidation stability.
- Excellent wear protection properties at high steady state temperatures.
- Ensure sensitive operations and an extended service life.
- Minimal foaming tendency.
- Protection against corrosion, wear, sludge residues and adhesion.
- Neutral behavior towards sealing materials.
- Miscible and compatible with other central hydraulic fluids.



100%
Synthetic

Smooth
Shifting

Thermal
Stability

Superior
Performance

Ultimate
Protection

Minimal
Foaming
Tendency

Long
Life





20 Litres

1 Litre

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	ULTIMATE CHF
Color		Visual	Green
Density @ 15°C	g / ml	ASTM D-3042	0.828
Kinematic Viscosity @ 40°C	mm ² / s	ASTM D-3042	25.6
Kinematic Viscosity @ 100°C	mm ² / s	ASTM D-3042	6.7
Viscosity Index		ASTM D-3042	305
Flash Point, COC	°C	ASTM D-92	> 160
Pour Point	°C	ASTM D-97	< -50

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SPECIFICATIONS

DIN 51 524 PART 3
 ISO 7308
 BMW
 CHRYSLER / DODGE / JEEP MS-11655
 MAN M 3289
 MB 345.0
 FORD WSS-M2C204-A / A2
 HYUNDAI / KIA PSF-4
 OPEL 19 40 715 / 766
 PORSCHE 000.043.203.33 / 000.043.206.56
 VOLVO 1161529 / 30741424
 VW / AUDI TL 52 146, G 002 000, G 004 000
 ZF TE-ML 02K

NORCBREMSOL[®] DOT 3

Fully Synthetic Brake Fluid

PRODUCT DESCRIPTION

NORC BREMSOL DOT 3 is a 100% fully synthetic high performance brake fluid with an elevated dry boiling point > 210°C, and a wet boiling point > 140°C. It provides an enhanced corrosion protection for all hydraulic brake systems.

NORC BREMSOL DOT 3 is precisely developed to offer an unmatched performance. As well as, an enhanced braking characteristics with superior protection and durability. It is for use in hydraulic clutch systems, according to manufacturer's instructions.

NORC BREMSOL DOT 3 is engineered to fulfill and / or exceed the performance requirements of SAE J 1703 specifications.

BENEFITS

- Fully synthetic formulation.
- Elevated boiling points.
- Minimal vapor formation at elevated temperatures.
- Excellent protection against acidic oxidation.
- Excellent corrosion protection.
- Prevention against formation of deposits.
- Outstanding brake system performance.
- Extended life and reliability.
- Excellent performance under severe braking pressure.
- High thermal and oxidation stability.
- Outstanding brake system performance.



Efficient
Braking
Ability

100%
Synthetic

Ultimate
Protection

Minimal
Vapor
Formation

Long
Life

Thermal
Stability

Elevated
Boiling
Points





250 ml e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	DOT 3
Density @ 20°C	kg/L	DIN 51 757	1.04
Viscosity @ -40°C	Cst	DIN EN ISO 3104	1500
Viscosity @ 100°C	Cst	DIN EN ISO 3104	15
Dry Boiling Point	°C	FMVSS 116	> 210
Wet Boiling Point	°C	FMVSS 116	> 140

SPECIFICATIONS

US FMVSS 116 DOT 3
SAE J 1703

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC BREMSOL[®] DOT 4

Fully Synthetic Brake Fluid

PRODUCT DESCRIPTION

NORC BREMSOL DOT 4 is a 100% fully synthetic high performance brake fluid with an elevated dry boiling point of 250°C, and a wet boiling point of 168°C. It provides an enhanced corrosion protection for all hydraulic brake systems.

NORC BREMSOL DOT 4 is precisely developed to offer an unmatched performance. As well as, an enhanced braking characteristics with superior protection and durability. It is for use in hydraulic clutch systems, according to manufacturer's instructions.

NORC BREMSOL DOT 4 is engineered to fulfill and / or exceed the performance requirements of SAE J 1704 / SAE J 1703 specifications.

BENEFITS

- Fully synthetic formulation.
- Elevated boiling points.
- Minimal vapor formation at elevated temperatures.
- Excellent protection against acidic oxidation.
- Excellent corrosion protection.
- Prevention against formation of deposits.
- Outstanding brake system performance.
- Extended life and reliability.
- Excellent performance under severe braking pressure.
- High thermal and oxidation stability.
- Outstanding brake system performance.



Efficient
Braking
Ability

100%
Synthetic

Ultimate
Protection

Minimal
Vapor
Formation

Long
Life

Thermal
Stability

Elevated
Boiling
Points





250 ml e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	DOT 4
Density @ 20°C	kg/L	DIN 51 757	1.04
Viscosity @ -40°C	Cst	DIN EN ISO 3104	1200
Viscosity @ 100°C	Cst	DIN EN ISO 3104	217
Dry Boiling Point	°C	FMVSS 116	250
Wet Boiling Point	°C	FMVSS 116	168

SPECIFICATIONS

US FMVSS 116 DOT 4 / DOT 3
SAE J 1704 / J 1703
ISO 4925

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NORC BREMSOL[®] DOT 4+

Fully Synthetic Brake Fluid

PRODUCT DESCRIPTION

NORC BREMSOL DOT 4+ is a 100% fully synthetic high performance brake fluid with an elevated dry boiling point of 280°C, and a wet boiling point of 198°C. It provides an enhanced corrosion protection for all hydraulic brake systems.

NORC BREMSOL DOT 4+ is precisely developed to offer an unmatched performance. As well as, an enhanced braking characteristics with superior protection and durability. It is for use in hydraulic clutch systems, according to manufacturer's instructions.

NORC BREMSOL DOT 4+ is engineered to fulfill and / or exceed the performance requirements of SAE J 1704 / SAE J 1703 specifications.

BENEFITS

- Fully synthetic formulation.
- Elevated boiling points.
- Minimal vapor formation at elevated temperatures.
- Excellent protection against acidic oxidation.
- Excellent corrosion protection.
- Prevention against formation of deposits.
- Outstanding brake system performance.
- Extended life and reliability.
- Excellent performance under severe braking pressure.
- High thermal and oxidation stability.
- Outstanding brake system performance.



Efficient
Braking
Ability

100%
Synthetic

Ultimate
Protection

Minimal
Vapor
Formation

Long
Life

Thermal
Stability

Elevated
Boiling
Points





250 ml e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	DOT 4+
Density @ 15°C	kg/L	DIN 51 757	1.07
Viscosity @ -40°C	Cst	DIN EN ISO 3104	700
Dry Boiling Point	°C	FMVSS 116	280
Wet Boiling Point	°C	FMVSS 116	198

SPECIFICATIONS

ISO 4925 CLASS 4
SAE J 1704 / J 1703
FORD 6C9103A
MB 7760 DOT 4 PLUS
GM GME L5 104
JAGUAR; PORSCHE
RENAULT 41-02-001
VW T1 776 X / Y DOT 4

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NORC BREMSOL[®] DOT 5.1

Fully Synthetic Brake Fluid

PRODUCT DESCRIPTION

NORC BREMSOL DOT 5.1 is a 100% fully synthetic high performance brake fluid with an elevated dry boiling point of 260°C, and a wet boiling point of 180°C. It provides an enhanced corrosion protection for all hydraulic brake systems.

NORC BREMSOL DOT 5.1 is precisely developed to offer an unmatched performance. As well as, an enhanced braking characteristics with superior protection and durability. It is for use in hydraulic clutch systems, according to manufacturer's instructions.

NORC BREMSOL DOT 5.1 is engineered to fulfill and / or exceed the performance requirements of FMVSS DOT 5.1 / DOT 4 / DOT 3.

BENEFITS

- Fully synthetic formulation.
- Elevated boiling points.
- Minimal vapor formation at elevated temperatures.
- Excellent protection against acidic oxidation.
- Excellent corrosion protection.
- Prevention against formation of deposits.
- Outstanding brake system performance.
- Extended life and reliability.
- Excellent performance under severe braking pressure.
- High thermal and oxidation stability.
- Outstanding brake system performance.



Efficient
Braking
Ability

100%
Synthetic

Ultimate
Protection

Minimal
Vapor
Formation

Long
Life

Thermal
Stability

Elevated
Boiling
Points





250 ml e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	DOT 5.1
Density @ 20°C	kg/L	DIN 51 757	110
Viscosity @ -40°C	mm²/S	DIN EN ISO 3104	900
Dry Boiling Point	°C	FMVSS 116	260
Wet Boiling Point	°C	FMVSS 116	180

SPECIFICATIONS

US FMVSS 116 DOT 5.1 / DOT 4 / DOT 3
SAE J 1704 / 1703
ISO 4925 CLASS 5.1

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NORCKALT®

Premium Quality Coolant/Antifreeze

50:50

PRODUCT DESCRIPTION

NORC KALT 50:50 blue edition is a high quality, mono ethylene glycol (MEG) based radiator anti-freeze concentrate. It has been specially developed for iron and aluminum engines in passenger cars and commercial vehicles.

NORC KALT 50:50 blue edition is specially formulated and developed using top quality MEG base stocks and carefully selected additive package to prevent corrosion and deposits on the interior of the radiator.

NORC KALT 50:50 blue edition is recommended for use in the cooling systems of all types of automotive engines. This product fulfills or exceeds ASTM D3306/4985 specifications.

BENEFITS

- Protection against excessive evaporation.
- High boiling points for better cooling performance.
- Excellent anti foam properties.
- Provides Excellent Heat Transfer Characteristics.
- Protection against rust and corrosion.
- Suitable for use in iron and aluminum engines.
- Outstanding Antifreeze Property.



For Iron &
Aluminum
Engines

High
Boiling Point

Excellent
Anti Foam
Properties

Excellent
Heat Transfer
Properties

Rust &
Corrosion
Protection

Resist
Excessive
Evaporation

Excellent
Antifreeze
Property





20 Litres

4 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	KALT 50:50
Color			Blue
Visual			8&C
Density @ 20°C	Kg / L	DIN 51757	1.11
Viscosity @ 20°C	cSt	DIN 51562	25
Pour Point 50:50 Water	°C	ASTM D97	-38
Flash Point	°C	ISO 2592	>100
pH @ 20°C		ASTM D1287	7.5 - 9

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

ASTM D3306
 ASTM D4985
 VW TL-774-C (G11)
 MB 325.0
 MTU MTL 5048
 AFNOR NF R15-601
 BS 6580
 OPEL / GM B 040 0240
 SAE J1034
 BMW N60069.0
 CHRYSLER MS-7170
 DEUTZ
 IVECO 19-1830
 MAN 324 NF/PRITADER
 FIAT 9.5523

NORCKÜHLMAX[®]

Superior Quality Coolant / Antifreeze

50:50

PRODUCT DESCRIPTION

NORCKÜHLMAX 50:50 purple edition is a premium quality, ethylene glycol based anti-freeze coolant and corrosion inhibitor concentrate, designed primarily to meet the stringent protection requirements of modern car engines which have significant amount of aluminum in their construction.

NORCKÜHLMAX 50:50 purple edition is specially formulated and developed to provide corrosion protection for engine and cooling system metals. It minimizes the engine damage by raising the boiling point of diluted coolant.

NORCKÜHLMAX 50:50 purple edition is free from nitrites, amines, phosphates and silicates. It reliably prevents deposits and foaming thus offering perfect heat flow. It provides superior protection for both aluminum and cast iron engines.

NORCKÜHLMAX 50:50 purple edition is recommended for use in the cooling systems of all types of automotive engines. This product fulfills or exceeds ASTM D3306/4656 specifications.

BENEFITS

- Protect Against Rust & Corrosion.
- Provides Excellent Heat Transfer Characteristics.
- Good Solubility & Stability in both Soft & Hard Water.
- Compatible with All Rubber Hoses Used in Cooling Systems.
- Outstanding Antifreeze Property.
- Excellent Protection in High Operating Temperatures.
- Suitable for use in both aluminum and cast iron engines.



For Iron &
Aluminum
Engines

High
Boiling Point

Excellent
Anti Foam
Properties

Excellent
Heat Transfer
Properties

Rust &
Corrosion
Protection

Resist
Excessive
Evaporation

Excellent
Antifreeze
Property





20 Litres

4 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	KÜHLMAX 50:50
Color			Purple
Visual			8&C
Density @ 20°C	Kg / L	DIN 5157	1.12
Viscosity @ 20°C	cSt	DIN 51562	25
Flash Point	°C	ISO 2592	>110
Boiling Point	°C	ASTM D 1120	>165
Pour Point 1:1 Coolant/Water	°C	ASTM D 97	<-38

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

ASTM D3306
 ASTM D4656
 AFNOR NF R15-601
 BS 6580
 SAE J1034
 FORD WSS-M 97B44D
 GM 6277M/OPEL B040 1065
 MAN 324 SNF
 MB 325.3
 MTU MTL 5048
 VW TL-774 D/F (G12+)

NORCADBLAU®

Premium Quality Diesel Emissions Fluid (DEF)

PRODUCT DESCRIPTION

NORC ADBlau is a premium quality clear, non-toxic aqueous urea solution used to treat exhaust on modern clean diesel engines.

NORC ADBlau is used in conjunction with the Selective Catalytic Reduction (SCR) Converter and causes a profound reduction of Nitrogen Oxide (NOx) diesel emissions.

NORC ADBlau is scientifically engineered and developed to not only fulfill, but also exceeds the specifications of ISO 22241 standard.

BENEFITS

- Premium Quality Diesel Emission Fluid.
- Non-Dangerous & Non-Toxic Aqueous Solution.
- For All Vehicles with ADBLue Tank.
- Fulfills & Exceeds the Specifications of ISO 22241 Standard.
- Reduces (NOx) emissions by approximately 80%



Premium
Quality

Non
Dangerous

Non-Toxic

Reduces
(NOx)
Emissions

Exceeds
ISO 22241





10 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	ADBLAU
Density @ 20°C	Kg / L	DIN 51 757	1.088
Freezing Point	°C	ASTM D97	-11

SPECIFICATIONS

DIN 70070
ISO 22241

USAGE

To be used only for all diesel vehicles equipped with Selective Catalytic Reduction (SCR) in accordance with vehicles manufacturer's instructions and recommendations. Diesel Emissions Fluid (DEF) must not be added to the diesel fuel, and added only in the separated ADBLue Tank.

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCSAUBER®

High Performance Engine Flush

PRODUCT DESCRIPTION

NORC SAUBER cleans the inside of your engine, restoring compression back to factory specifications. It is optimum reliability ensures that your engine is cleaned of sludge build up after every use.

NORC SAUBER engine flush is an advanced internal engine cleaner, perfectly formulated to restore the peak power up to 99%. It removes harmful deposits and sludge, such as carbon build-up on engine parts. Also, it increases the engine's corrosion protection and output performance.

NORC SAUBER is scientifically engineered and developed to protect engine from expensive damages and to increase compression power, while minimizing engine wear and tear, reducing emissions, and improving fuel economy.

BENEFITS

- Track & Lab Tested.
- Non-Aggressive Formulation & Friendly on Seals.
- Restores Engine Compression Power by 99%.
- Restores Combustion Quality & Increases Output Power.
- Improves Fuel Economy
- Reduces Emission.
- Protects Engine From Wear & Tear.
- Safe and recommended to use at every oil change.



Track & Lab
Tested

Restores
Compression
By 99%

Resists
Wear & Tear

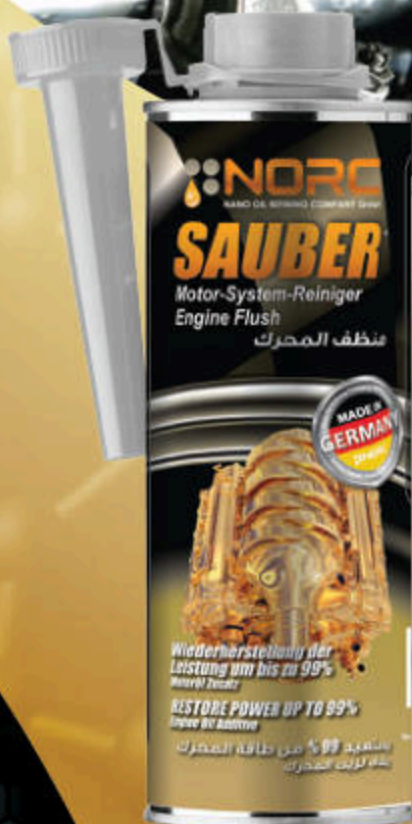
Reduces
Emissions

Improved
Performance

Better
Fuel
Economy

Innovative
Formulation





250 ml e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAUBER
Kinematic Viscosity @ 40°C	Cst	ASTM D445	132
Kinematic Viscosity @ 100°C	Cst	ASTM D445	25
Insolubles	%	ASTM D893	0.1
Dispersency		ASTM D 1120	BT
Water Content	Vol %		<0.05
Total Base Number	mg KOH/g	ASTM D2896	2.26
PQ Index		PQA	13

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

Engine Flush to restore peak power up to 99%.

USAGE

Directly add one bottle into the engine to treat up to 5 liters of motor oil. Add directly into engine oil prior oil change interval. Run engine stationary and give throttle intermittently for approximately 10 minutes. Drain; replace motor oil and oil filter. Recommended to use at every oil change.

NORC MOTORSCHUTZ®

High Performance Engine Protector

PRODUCT DESCRIPTION

NORC MOTORSCHUTZ is a breakthrough in engine protection technology that effectively improves high temperature oil film stability in the engine, as well as provides an extra smooth engine running and silky refinement.

NORC MOTORSCHUTZ coats all engine internal components, and forms super slippery surface resulting in an increased horsepower and torque. It minimizes and prevent oil consumption, as well as corrosion and sludge build-up.

NORC MOTORSCHUTZ stabilizes and maintains viscosity under severe racing conditions, while reducing friction that results in an enhanced protection and fuel economy properties.

BENEFITS

- Innovative and safe formulation.
- Superior protection properties.
- Enhanced fuel economy properties.
- Smoother and quieter operation.
- Superior performance.
- Stabilized viscosity under racing conditions.
- Extended engine life.
- Prevents oil consumption and sludge build-up.



Track & Lab
Tested

Reduces Oil
Consumption

Stabilizes
Viscosity

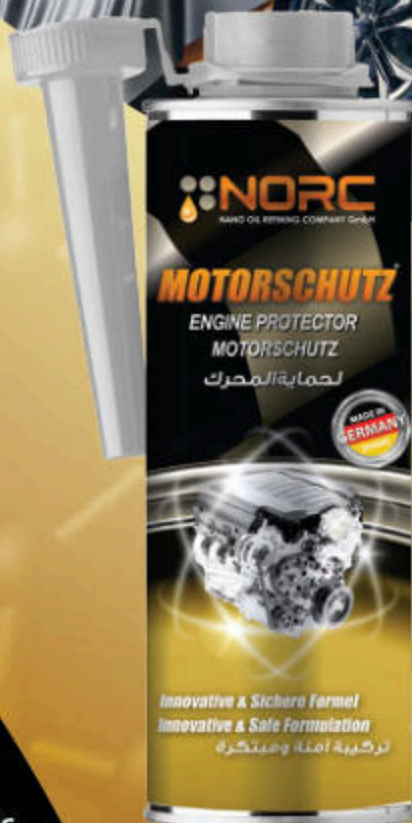
Reduces
Emissions

Improved
Performance

Better
Fuel
Economy

Safe
Formulation





250 ml e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	MOTORSCHUTZ
Kinematic Viscosity @ 40°C	Cst	ASTM D445	19.20
Kinematic Viscosity @ 100°C	Cst	ASTM D445	3.98
Insolubles	%	ASTM D993	0.1
Dispersency		ASTM D893	87
Water Content	Vol %	Crackle Test	< 0.05
Total Acid Number	mg KOH/g	ASTM D664	0.71
Total Base Number	mg KOH/g	ASTM D2896	2.26
PQ Index		PQA	13

SPECIFICATIONS

High Performance Engine Protector

USAGE

Directly add one bottle (300 ml) to the engine oil after the oil and filter are changed.

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC EXTREM[®] BFSC+

2 in 1 Benzin Fuel System Cleaner + Octane Booster

PRODUCT DESCRIPTION

NORC EXTREM BFSC+ is a unique 2in1 formulation that is precisely engineered to completely clean the benzin fuel system (injectors, valves, combustion chamber) and improve the octane number.

NORC EXTREM BFSC+ restores the injector's spray pattern by 100%, restores power and fuel economy to factory specifications. It is developed with fully synthetic detergent additives to clean intake and exhaust valves, removes carbon deposits on pistons. It also smoothenes rough idling and provide quieter engine running.

NORC EXTREM BFSC+ improves combustion quality, reduces fuel consumption, while increasing octane number by 3 – 7 Points, resulting in an increased power and torque.

BENEFITS

- Track & Lab Tested.
- 2 in 1 Formulation (Fuel System Cleaner + Octane Booster).
- Non-Aggressive & Friendly on Seals.
- Restores Combustion Quality
- Increases Engine's Output Power & Torque.
- Improves Fuel Economy
- Reduces Emission.
- Restores Injector's Spray Pattern by 100%.
- Improves The Octane Number by 3 – 7 Points.



2 in 1
Formulation

For Benzin
Engines

Cleans
Fuel
System

Improves
Octane
Number

Better
Fuel
Economy

Improves
Performance

Track & Lab
Tested





300 ml ±

TECHNICAL DETAILS

PROPERTY	UNIT	BFSC+
Density @ 20°C	kg/L	0.80
Flash Point	°C	>58
Self-igniting	°C	240
Pour Point	°C	<-20
Boiling Range	°C	158 - 230

SPECIFICATIONS

Benzin Fuel System Cleaner
(injectors, valves, combustion chamber)
Increases octane by 3 – 7 points

USAGE

Directly add one bottle in the fuel tank to treat 60 - 80 liters of benzin fuel. It is safe and recommended to use with every fill up or every 2,000Km - 10,000Km depending on benzin fuel quality.

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCOKTAN++[®]

Racing Octane Booster

PRODUCT DESCRIPTION

NORC OKTAN ++ is specially formulated and developed octane booster that increases engine power, provides a smoother engine running, and eliminates knocking and detonation. It improves octane number in the benzin fuel by 7 – 20 Points per 300ml (depending on benzin fuel quality), as well as, increases the throttle response, power and torque.

NORC OKTAN ++ is scientifically engineered to smoothen rough idling and provide quieter running valve train. It is recommended for street or track performance, and completely safe to use with every fill up.

BENEFITS

- Track & Lab Tested.
- Stabilizes Fuel.
- Improves Fuel Economy.
- Reduces Emissions.
- Improves Octane Number By 7 – 20 Points.
- Provides Quieter Engine Running.
- Eliminates Knocking & Detonation.
- Restores Lost Power & Acceleration.



Track & Lab
Tested

Increases
Octane By
7 - 20 Pts

For Benzin
Fuel

Reduces
Emissions

Improved
Performance

Better
Fuel
Economy

Innovative
Formulation





300 ml e

TECHNICAL DETAILS

PROPERTY	UNIT	OKTAN++
Color		< 0.5
Density @ 20°C	Gm/cm ³	0.7723
Flash Point	°C	< 90
Self-igniting		Not Self-igniting
Pour Point	°C	-63
Water Content	%	0

SPECIFICATIONS

Increases Octane
by 7 – 20 points

USAGE

Directly add one bottle in the fuel tank to treat 60 - 80 liters of benzin fuel. It is recommended to use with every fill up.

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NORC EXTREM[®] DFSC+

2 in 1 Diesel Fuel System Cleaner + Cetane Booster

PRODUCT DESCRIPTION

NORC EXTREM DFSC+ is a unique 2in1 formulation that is precisely engineered to completely clean the diesel fuel system (injectors, valves, combustion chamber) and improve the Cetane Number.

NORC EXTREM DFSC+ restores the injector's spray pattern by 100%, restores power and fuel economy to factory specifications. It is developed with fully synthetic detergent additives to clean intake and exhaust valves, removes carbon deposits on pistons. It also smoothenes rough idling and provide quieter engine running.

NORC EXTREM DFSC+ improves combustion quality, reduces fuel consumption, while increasing Cetane Number by 3 – 7 Points, resulting in an increased power and torque.

BENEFITS

- Track & Lab Tested.
- 2 in 1 Formulation (Fuel System Cleaner + Cetane Booster).
- Non-Aggressive & Friendly on Seals.
- Restores Combustion Quality
- Increases Engine's Output Power & Torque.
- Improves Fuel Economy
- Reduces Emission.
- Restores Injector's Spray Pattern by 100%.
- Improves The Cetane Number by 3 – 7 Points.



2 in 1
Formulation

For Diesel
Engines

Cleans
Fuel System

Improves
Cetane
Number

Better
Fuel
Economy

Improves
Performance

Track & Lab
Tested





300 ml e

TECHNICAL DETAILS

PROPERTY	UNIT	DFSC+
Density @ 20°C	kg/L	0.82
Flash Point	°C	>58
Self-igniting	°C	240
Pour Point	°C	<-20
Boiling Range	°C	158 - 230

SPECIFICATIONS

Diesel Fuel System Cleaner
(injectors, valves, combustion chamber)
Increases Cetane Number by 3 – 7 points

USAGE

Directly add one bottle in the fuel tank to treat 60 - 80 liters of diesel fuel. It is safe and recommended to use with every fill up or every 2,000Km - 10,000Km depending on diesel fuel quality.

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NORC KÜHLER REINIGER

High Performance Radiator Flush

PRODUCT DESCRIPTION

NORC KÜHLER REINIGER is an innovative radiator flush that will clean all rust, lime deposits, and impurities, such as oil sludge and grease which cause reduction of efficiency and choking of the cooling system. It contains no aggressive acids and is 100% safe to be used on radiator components, and it loosens up dirt in radiator, heater, pipelines, and engine.

BENEFITS

- Innovative formulation.
- Do not contain aggressive acids.
- Safe to be used on rubber and plastics.
- Neutralized acids.
- Increased cooling system efficiency.



Innovative
Formulation

No
Aggressive
Acids

100% Safe

Improves
Cooling
Efficiency

Effective
Results

Extends
Cooling System
Life

Track & Lab
Tested





300 ml e

TECHNICAL DETAILS

PROPERTY	UNIT	KÜHLER REINIGER
Relative Density		1.01
Boiling Point	°C	100
Flash Point	°C	60

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USAGE

Directly add one bottle (300 ml) to the radiator. Start engine and run at idle for approximately 10 - 15 minutes. Drain away entire coolant contents and ensure it is completely clean before adding new coolant.

NORC UNIVERSAL REINIGER®

High Performance Universal Cleaner

PRODUCT DESCRIPTION

NORC UNIVERSAL REINIGER is an excellent and effective cleaner that leaves no residues. It removes oil and grease and leaves behind an absolutely clean surface.

BENEFITS

- Innovative formulation.
- Effectively clean surface without residues.
- Optimum coefficient of friction in discs and drum brakes.
- Multiple uses.



Innovative
Formulation

Easy
Application

Multi
Purpose

No
Residue

Effective
Results

100% Safe

Track & Lab
Tested





600 ml e

TECHNICAL DETAILS

PROPERTY	UNIT	RESULT
Density @ 15 °C	g / cm ³	0.732
Ignition Temperature	°C	> 200
Organic Solvents	%	94.8
Boiling Point	°C	< 0

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

USAGE

Directly spray on the dirty parts
Wait until it evaporates
Repeat as necessary

NORC HYDRAULISCH

High Performance Hydraulic Oil

SAE 10W

PRODUCT DESCRIPTION

NORC HYDRAULISCH 10W is a high performance hydraulic oil developed from high quality mineral base stocks and advanced additive technology. It is characterized by satisfying a wide range of heavy duty hydraulic equipment requirements.

NORC HYDRAULISCH 10W is designed to effectively control oxidation, wear, corrosion, and rust. Furthermore, it offers an enhanced performance and reduced maintenance costs.

NORC HYDRAULISCH 10W is formulated for the use in a wide range of hydraulic systems and components using multi-metal designs, such as: Hydraulic systems where wide ambient temperatures are encountered, hydraulic systems containing gears and bearings where good anti-wear properties are required, As well as on and off-highway industries including: trucking, construction, mining, quarrying, and agriculture.

BENEFITS

- Extend equipment life and reduce maintenance costs
- Effectively reduce wear rates at cold start-up temperatures
- Good protection against oxidation, wear, corrosion and rust
- Good protection against oil thickening and high temperature deposits
- Good protection against varnish and oil degradation
- Provide effective lubrication film at high temperatures
- Wide range of applications
- Wide temperature range performance



Reduce
Maintenance
Costs

Reduce
Wear Rates
at Cold
Start-up

Effective
Lubrication
Film

Wide
Range of
Applications

Wide
Temperature
Range
Performance

Excellent
Protection
Properties

Outstanding
Performance





20 Litres

5 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	SAE 10W
Density @ 15°C	kg/L	ASTM D4052	0.880
Kinematic Viscosity @ 40°C	Cst	ASTM D445	377
Kinematic Viscosity @ 100°C	Cst	ASTM D445	6.2
Viscosity Index		ASTM D2270	130
Flash Point, COC	°C	ASTM D92-05A	> 200
Pour point	°C	ASTM D97	< -30
TBN	Mg KOH/g	ASTM D2896	> 12

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SPECIFICATIONS

API CF
CAT TO-2
MTU TYPE 2
CCMC G2/D1
MIL-L-46152

NORC HYDRAULISCH HLP-M

High Performance Hydraulic Oil

PRODUCT DESCRIPTION

NORC HYDRAULISCH HLP-M is premium high performance hydraulic oils, manufactured using top-quality mineral base stocks with an innovative additive technology. It is characterized by a wide application range, excellent viscosity-temperature behavior, and excellent corrosion protection properties. Furthermore, it is neutral against sealing materials and provides optimum protection under extreme loads conditions.

NORC HYDRAULISCH HLP-M is designed for use in a wide spectrum of hydraulic systems and drives, offering superior performance and protection under severe operating conditions. It provides excellent wear and protection characteristics, as well as, excellent filterability and air release properties.

BENEFITS

- Excellent viscosity-temperature behavior
- Excellent wear and corrosion protection
- Excellent filterability and air release properties
- Minimize system failure and downtime costs
- Neutral against sealing materials
- Outstanding protection under extreme loads
- Wide range of applications



Multi-Applications

Prevent Formation of Foam

Excellent Filterability

Ultimate Protection

Minimized System Failure

Neutral Against Seals

Thermal Stability





20 Litres

5 Litres

TECHNICAL DETAILS

SPECIFICATIONS

PROPERTY	UNIT	METHOD	HLP-M22	HLP-M32	HLP-M46	HLP-M68
Density @ 20°C	kg/L	ASTM D4052	0.855	0.858	0.864	0.873
Kinematic Viscosity @ 40°C	Cst	ASTM D445	22.4	31.4	45	66.7
Kinematic Viscosity @ 100°C	Cst	ASTM D445	4.5	5.6	7	9
Viscosity Index		ASTM D2270	111	114	116	109
Flash Point, COC	°C	ASTM D92-05A	>200	>230	>240	>240
Pour point	°C	ASTM D97	<-23	<-26	<-30	<-25

DIN 51 524 PART 2
SEB 181222
SIS SS 155434
DENISON FILTERABILITY
TP 02100
U.S STEEL 126/127
CETOP RP 91 H
SPERRY VICKERS M-2950-
S/I-286-S
HOESCH HWN 2333
AFNOR NF E 48-603

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORC HYDRAULISCH HLP-D

High Performance Detergent Hydraulic Oils

PRODUCT DESCRIPTION

NORC HYDRAULISCH HLP-D is a state-of-the-art premium quality high performance detergent hydraulic oils, based on precisely selected solvent-refined base oils with a natural viscosity index blended carefully with an advanced additive technology. It is characterized by an excellent viscosity-temperature behavior, excellent wear and corrosion protection properties, as well as as deterging and dispersing properties.

NORC HYDRAULISCH HLP-D is suited both for heavily loaded hydraulic systems and for light loaded transmission gearing and bearings, with the exception of turbines. In addition, this oil is especially designed for systems in which condensed water must be expected as a contaminant.

BENEFITS

- Excellent protection against wear.
- Excellent protection against corrosion.
- Excellent oxidation stability.
- Excellent deterging and dispersing properties.
- Outstanding air release properties that prevent foaming.
- Neutral behavior towards plastic seals.
- Absorption of small amounts of water (including condensed water).
- Low pour point.



Multi-Applications

Prevent Formation of Foam

Excellent Filterability

Ultimate Protection

Minimized System Failure

Neutral Against Seals

Thermal Stability





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	METHOD	HLP-D22	HLP-D32	HLP-D46	HLP-D68	HLP-D100
Density @ 15°C	kg/m ³	ISO 3675	860	867	875	890	882
Kinematic Viscosity @ 40°C	mm ² / s	ISO 3104	22	32	46	68	100
Kinematic Viscosity @ 100°C	mm ² / s	ISO 3104	4.4	5.6	6.9	8.7	11.7
Viscosity Index	-	ISO 2909	112	116	113	106	105
Flash Point, COC	°C	ISO 2592	200	215	232	237	240
Pour point	°C	ISO 3016	-27	-27	-24	-27	-21
Purity Class, Typ	-	ISO 4406	15/13/10	15/13/10	15/13/10	15/13/10	15/13/10

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

DIN 51524-2 HLPD zinc-containing

NORC HYDRAULISCH[®] HVLP-M

High Viscosity Index Hydraulic Oil

ISO VG 15

PRODUCT DESCRIPTION

NORC HYDRAULISCH HVLP-M15 is a universal high viscosity index mineral based high grade EP oil. It is precisely formulated and manufactured using highly refined mineral base stocks in combination with an innovative EP additive technology. It is characterized by a wide application range, excellent viscosity-temperature behavior, and excellent corrosion protection properties. Furthermore, it is neutral against sealing materials and provides optimum protection under extreme loads conditions.

NORC HYDRAULISCH HVLP-M15 is designed for use in a heavy duty hydraulic systems and light duty gearboxes, bearings, and general lubrication. Not suitable for turbine applications. It provides excellent wear protection characteristics, as well as, excellent filterability and air release properties.

BENEFITS

- Excellent stability against oxidation.
- High viscosity index.
- Excellent protection against wear.
- Excellent water demulsibility.
- Excellent foaming properties.
- Very effective against rust and corrosion.
- Excellent thermal stability



High
Viscosity
Index

Multi-
Applications

Ultimate
Protection

Excellent
Water
Demulsibility

Thermal
Stability

Prevent
Formation
of Foam

Effective
Against
Corrosion





205 Litres e

TECHNICAL DETAILS

PROPERTY	METHOD	UNIT	HVLP-M15
ISO VG Grade	ISO 3448		15
Density @ 15°C	ASTM D 4052	kg / m³	868
Kinematic Viscosity @ 100°C	ASTM D 7042	mm² / s	4.3
Viscosity Index	ASTM D 1570		162
Flash Point COC, min	ASTM D 92	°C	> 175
Pour Point	ASTM D 97	°C	< -42
FZG Fail Load Stage, min	DIN 51354-2		11

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

AFNOR NFE 48-603
ISO 11158 HV
DIN 51524 PART3 HVLP
DENISON HF-0
CINNATI P-68
SAUER DANFOSS 520L0463
EATON VICKERS M-2950-S/I-386

NORC HYDRAULISCH[®] HVLP-M

High Viscosity Index Hydraulic Oil

ISO VG 32

PRODUCT DESCRIPTION

NORC HYDRAULISCH HVLP-M32 is premium high viscosity index hydraulic oil, manufactured using top-quality mineral base stocks with an innovative additive technology. It is characterized by a wide application range, excellent viscosity-temperature behavior, and excellent corrosion protection properties. Furthermore, it is neutral against sealing materials and provides optimum protection under extreme loads conditions.

NORC HYDRAULISCH HVLP-M32 is designed for use in a wide spectrum of hydraulic systems and drives, offering superior performance and protection under severe operating conditions. It provides excellent wear and protection characteristics, as well as, excellent filterability and air release properties.

BENEFITS

- Excellent viscosity-temperature behavior
- Excellent wear and corrosion protection
- Excellent filterability and air release properties
- High Viscosity Index
- Minimize system failure and downtime costs
- Neutral against sealing materials
- Outstanding protection under extreme loads
- Wide range of applications



High
Viscosity
Index

Multi-
Applications

Ultimate
Protection

Excellent
Water
Demulsibility

Thermal
Stability

Prevent
Formation
of Foam

Effective
Against
Corrosion





20 Litres

5 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	HVLP-M32
Density @ 15°C	kg/L	ASTM D4052	0.857
Kinematic Viscosity @ 40°C	Cst	ASTM D445	31.5
Kinematic Viscosity @ 100°C	Cst	ASTM D445	6.3
Viscosity Index		ASTM D2270	152
Flash Point, COC	°C	ASTM D92	>270
Pour Point	°C	ASTM D97	<-39

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

DIN 51 524 PART3 HVLP

SIS S5 155434

US STEEL 126 / 127

CETOP RP 91 H

SPERRY VICKERS M-2950-S / I-286-S

AFNOR NF E 48-603 HM, HV

NORC HYDRAULISCH[®] HVLP-M

High Viscosity Index Hydraulic Oil

ISO VG 46

PRODUCT DESCRIPTION

NORC HYDRAULISCH HVLP - M46 is premium high viscosity index hydraulic oil, manufactured using top-quality mineral base stocks with an innovative additive technology. It is characterized by a wide application range, excellent viscosity-temperature behavior, and excellent corrosion protection properties. Furthermore, it is neutral against sealing materials and provides optimum protection under extreme loads conditions.

NORC HYDRAULISCH HVLP - M46 is designed for use in a wide spectrum of hydraulic systems and drives, offering superior performance and protection under severe operating conditions. It provides excellent wear and protection characteristics, as well as, excellent filterability and air release properties.

BENEFITS

- Excellent viscosity-temperature behavior
- Excellent wear and corrosion protection
- Excellent filterability and air release properties
- High Viscosity Index
- Minimize system failure and downtime costs
- Neutral against sealing materials
- Outstanding protection under extreme loads
- Wide range of applications



High
Viscosity
Index

Multi-
Applications

Ultimate
Protection

Excellent
Water
Demulsibility

Thermal
Stability

Prevent
Formation
of Foam

Effective
Against
Corrosion





20 Litres

5 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	HVLP-M46
Density @ 15°C	kg/L	ASTM D4052	0.862
Kinematic Viscosity @ 40°C	Cst	ASTM D445	43.5
Kinematic Viscosity @ 100°C	Cst	ASTM D445	8.1
Viscosity Index		ASTM D2270	150
Flash Point, COC	°C	ASTM D92	>220
Pour Point	°C	ASTM D97	<-38

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

SPECIFICATIONS

DIN 51 524 PART 3
 U.S STEEL 127/136
 CETOP RP 91 H (HM, HV)
 HOESCH HWN 2333
 AFNOR NF E-48-603 (HM, HV)
 FZG-TEST A 8.3/90 ≥ 11
 HIGH SHEAR STABILITY (LOSS < 15%)

NORC HYDRAULISCH[®] HVLPD-ZAF

Zinc Ash Free HVI Detergent Hydraulic Oil

ISO VG 46

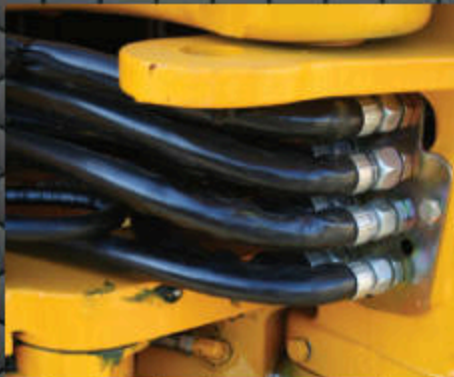
PRODUCT DESCRIPTION

NORC HYDRAULISCH HVLPD-ZAF 46 is a heavy duty zinc free, deterging, multi-purpose with high viscosity index hydraulic oil, type HVLPD, based on state-of-the-art base oil technology of group II oils, resulting in a newly developed, and cutting edge oil technology.

NORC HYDRAULISCH HVLPD-ZAF 46 is suitable for stationary industrial hydraulic systems subjected to very high loads, for mobile hydraulic systems in earth-moving equipment and agricultural machinery in which small amounts of water may penetrate into the system, especially when the operating temperatures fluctuate greatly. It is also suitable and can be used in systems with silver-coated component parts.

BENEFITS

- High and stable viscosity index (Multi-purpose Oil).
- Excellent protection against wear and corrosion.
- Excellent oxidation stability.
- Excellent deterging and dispersing properties.
- Possible to absorb small amounts of water without clouding and negative effects on other properties.
- Dirt particles are detached and suspended (fault-free operation).
- Outstanding air release properties that prevent foaming.
- Neutral behavior towards plastic seals.
- Low pour point.
- Very good filterability.
- Energy savings potential.



High
Viscosity
Index

Prevent
Formation
of Foam

Excellent
Filterability

Ultimate
Protection

Minimized
System
Failure

Neutral
Against
Seals

Thermal
Stability





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	METHOD	HVLPD-ZAF 46
Density @ 15°C	Kg / m ³	ISO 1675	862
Kinematic Viscosity @ 40°C	mm ² / s	ISO 3104	46
Kinematic Viscosity @ 100°C	mm ² / s	ISO 3104	8.32
Viscosity Index	-	ISO 2909	158
Pour Point	°C	ISO 3016	-48

SPECIFICATIONS

DIN 51524-3 HVLPD (ZF Group II)

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCORKAN[®] MTO

High Performance Turbine Oils

PRODUCT DESCRIPTION

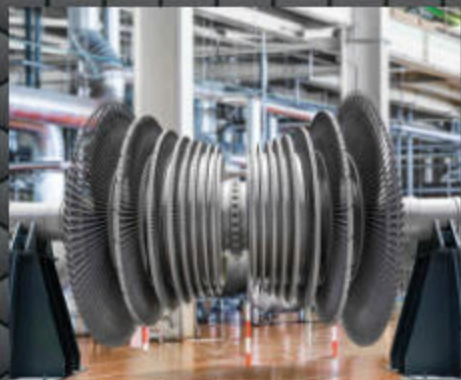
NORCORKAN MTO are mineral based Turbine Oils, especially designed for the lubrication of:

- Turbines: Gas, Steam, Hydraulic, Combined Cycle.
- Gear boxes.
- Centrifugal compressors.
- Regulation circuits.
- Turbochargers with separate oil circuits.

NORCORKAN MTO is manufactured using the highest quality selected mineral base oils and state of the art additive technology to ensure a finished product with an outstanding corrosion protection and resistance to ageing.

BENEFITS

- Exceptional performance
- Excellent corrosion protection
- Excellent wear resistance
- Good air release and water release properties
- Low sludge and deposits formation
- Resistance to ageing
- Thermal and oxidation stability



Exceptional
Performance

Thermal &
Oxidation
Stability

Extended
Drain
Intervals

Excellent
Corrosion
Protection

Excellent
Air & Water
Release

Minimal
Breakdowns

Minimal
Sludge &
Deposits





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	MTD 32	MTD 46	MTD 68	MTD 100
Density @ 15°C	kg/L	0.870	0.875	0.885	0.886
Kinematic Viscosity @ 40°C	Cst	32	46	68	100
Kinematic Viscosity @ 100°C	Cst	5.4	6.8	8.7	11.4
Viscosity Index		100	100	100	100
Flash Point	°C	220	230	240	250
Pour Point	°C	-12	-9	-9	-9

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SPECIFICATIONS

ISO 6743-5
 ALSTOM HTGD 90 T17
 ALSTOM HYDRO HTWT 600050
 MAN ENGINE ME-TTS001/18/92
 MAN TURBO SPD 10000494596
 SIEMENS TLV 901304
 GENERAL ELECTRIC GEK 27070,
 GEK 28143 B,
 GEK 46506 E, GEK 32568F
 SOLAR ES 9-224W CLASS II
 SKODA / TURBINY PLZEN

NORCORKAN[®]STO

High Performance Turbine Oils

PRODUCT DESCRIPTION

NORCORKAN STO is a top quality lubricating oil for gas and steam turbines, as well as turbo compressors with and without gears, which require DIN 5151-2. It was carefully developed to fully satisfy the increasing demands of today's turbine oils, as well as, to facilitate a degree of rationalization in gas and steam plants.

NORCORKAN STO is manufactured using the highest quality selected base oils and state of the art additive technology to ensure a finished product with an outstanding corrosion protection and resistance to aging. They have superior rust and oxidation prevention properties, as well as, exceptional air and water release characteristics.

NORCORKAN STO is for use in stationary gas turbines, steam turbines and in electric or steam powered turbine engines. It can also be used for the lubrication of hydraulic systems, compressors, gear transmissions and bearings. Also, it is suitable for the compression of synthesis gases and ammonia.

BENEFITS

- Compatible with seals
- Exceptional performance
- Excellent thermal and oxidation stability
- Extended drain interval
- Excellent air release and water release properties
- Excellent corrosion and wear protection
- Excellent ageing stability
- Good viscosity index (VI) and shear stability
- Minimal sludge and deposits formation
- Minimal breakdowns times and expenses



Exceptional
Performance

Thermal &
Oxidation
Stability

Extended
Drain
Intervals

High
Viscosity
Index

Excellent
Air & Water
Release

Minimal
Breakdowns

Minimal
Sludge &
Deposits





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	STD 32	STD 46	STD 68	STD 100
Density @ 15°C	kg/L	0.818	0.843	0.854	0.873
Kinematic Viscosity @ 40°C	Cst	32	46	68	100
Kinematic Viscosity @ 100°C	Cst	6.00	7.61	9.75	11.7
Viscosity Index		134	131	124	105
Flash Point	°C	> 235	> 235	> 240	> 250
Pour Point	°C	< -30	< -30	< -10	< -25

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SPECIFICATIONS

DIN 51515 PART 1 (L-TD),
 DIN 51515 PART 2 (L-TG)
 SIEMENS TLV 9013 04/01
 BRITISH STANDARD BS 489
 GENERAL ELECTRIC GEK 32568 A/C
 MIL-L-17672 D
 CECB STANDARD 207001
 BROWN BOVERI HTGD 90117
 US STEEL 120
 WESTINGHOUSE ELECTRIC CORP
 ALSTOM HTGD 90117 V0001 S
 SOLAR ES 9 224 CLASS II

NORCORKAN[®] GST

High Performance Turbine Oils

PRODUCT DESCRIPTION

NORCORKAN GST are high quality turbine oils, manufactured on the basis of highly solvent refined and hydrogenated technical white oils. They have been developed precisely to provide superior thermal and oxidation stability, excellent air release properties, low foaming tendency, and excellent corrosion protection.

NORCORKAN GST are especially engineered for the operation of highly loaded industrial steam and gas turbines, as well as turbo compressors with and without gears. Furthermore, it is also used for the lubrication of transmissions, as well as in hydraulic and recirculating systems in cases where the manufacturer has specified turbine oils properties.

NORCORKAN GST are formulated based on precisely selected additives, in order to ensure superior performance and maximum oil retention even under unfavorable oxidative and thermal conditions.

BENEFITS

- Compatible with seals
- Excellent thermal and oxidation stability
- Extended drain interval
- Excellent air release and water release properties
- Excellent corrosion and wear protection
- Good shear stability
- Minimal breakdown times and expenses
- Minimal sludge and deposits formation
- Outstanding performance



Ash
Free

Good
Shear Stability

Superior
Demulsibility

Excellent
Anti Wear
& Foam

Excellent Anti
Corrosion

Extended
Drain
Interval

Ultimate
Protection





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	METHOD	GST 32	GST 46	GST 68
Designation		DIN 51 502	L-TD / L-TG	L-TD / L-TG	L-TD / L-TG
Density @ 15 °C	g / cm ³	DIN 51 507	0.867	0.873	0.875
Kinematic Viscosity @ 40 °C	mm ² / s	DIN EN ISO 3104	32	46	67
Kinematic Viscosity @ 100 °C	mm ² / s	DIN EN ISO 3104	5.4	6.8	8.8
Viscosity Index		ASTM D 2270	102	101	103
Flash Point (COC)	°C	DIN ISO 2592	> 225	> 235	> 255
Pour Point	°C	DIN ISO 3016	-9	-12	-9

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SPECIFICATIONS

DIN 51 515 PART 1 (L-TD)
 DIN 51 515 PART 2 (L-TG)
 ISO 8068 L-TSA
 ISO 8068 L-TGA
 ISO 8068 L-TSB
 ISO 8068 L-TGSB
 SIEMENS TLV 90 13 05
 MAN TURBOMASCHINEN
 ABB / ALSTOM HTGD 90117
 GENERAL ELECTRIC GEK 28143
 GENERAL ELECTRIC GEK 32568

NORCORKAN[®] CSG-32

High Performance Turbine Oils

PRODUCT DESCRIPTION

NORCORKAN CSG-32 is a high performance lubricating oil designed for use in a wide range of industrial machinery including gas and steam turbines, circulating oil systems, as well as turbo compressors with and without gears. It is carefully developed using the highest quality selected base oils and state of the art additive technology to ensure a finished product with an outstanding performance.

NORCORKAN CSG-32 is engineered to satisfy the increasing demands of modern's turbine oils, as well as, to facilitate a degree of rationalization in gas and steam plants. It protects against corrosion and offers high resistance to aging. Furthermore, they have superior rust and oxidation prevention properties, as well as, exceptional air and water release characteristics.

NORCORKAN CSG-32 is suitable for the use in stationary gas turbines, steam turbines, as well as for the compression of synthesis gases and ammonia.

BENEFITS

- Wide range of applications
- Outstanding performance
- Excellent thermal and oxidation stability
- Extend machinery life
- Compatible with seals
- Extended drain interval
- Excellent air release and water release properties
- Excellent corrosion and wear protection
- Minimal breakdowns times and expenses
- Minimal sludge and deposits formation
- Excellent low temperature properties
- Suitable for the compression of synthesis gases



Outstanding
Performance

Minimal
Sludge and
Deposits

Minimal
Breakdowns

Good
Shear
Stability

Excellent
Air and Water
Release

Extended
Drain
Interval

Compatible
With Seal





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	CSG 32
Density @ 15°C	Kg/m ³	DIN EN ISO 12185	862
Color		ASTM D1500	0.5
Flash Point (COC)	°C	DIN ISO 2592	220
Pour Point	°C	DIN ISO 3016	-39
Total Acid Number (TAN)	mg KOH / g	ASTM D664	0.08
Kinematic Viscosity @ 40°C	mm ² /s	DIN ISO 51562-1	32
Kinematic Viscosity @ 100°C	mm ² /s	DIN ISO 51562-1	5.4
Viscosity Index (VI)		ASTM 2270	105

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SPECIFICATIONS

GENERAL ELECTRIC GEK 46506E
 SIEMENS TLV 9013 04 / 9013 05
 SIEMENS / WESTINGHOUSE 1500-00-20
 ALSTOM HTGD 90 117 V0001 X
 SOLAR ES 9-224W
 ASTM D4304 TYPE I
 JIS 2213 TYPE 2

NORC KOMPRESSOR AKO-M

High Performance Ash Free Compressor Oils

PRODUCT DESCRIPTION

NORC KOMPRESSOR AKO-M products range was carefully developed to meet and fully satisfy the increasing requirements of compressors' manufacturers on the service life of compressor oils. It is formulated precisely, using an innovative additive package along with the finest base stocks to produce lubricants in different viscosity grades to meet the optimum operation at severe conditions.

NORC KOMPRESSOR AKO-M guarantees sufficient lubrication at high as well as low temperatures to minimize wear. Selected and balanced ash free additives minimize carbon residue formation which might otherwise lead to ignition. It can be used in stationary and mobile compressors with final compression temperatures up to 220 °C without oxidation effects. The product is characterized by good viscosity-temperature behavior and reliable corrosion protection. It can be used for the circulatory lubrication of jet engines where the manufacturer does not prescribe HD engine oils.

BENEFITS

- Ash Free additive package
- Excellent anti-wear properties
- Excellent anti-corrosion
- Excellent anti-oxidation properties
- Good shear stability
- Good demulsifying properties
- Minimal carbon residue
- Minimal evaporation losses
- Minimal foaming and excellent air release
- Suitable for high temperature applications



Ash
Free

Minimal
Foaming

Anti Wear
& Oxidation
Properties

Good
Shear
Stability

Excellent
Air
Release

Superior
Performance

Ultimate
Protection





205 Litres

TECHNICAL DETAILS

PROPERTY	UNIT	METHOD	AKO-M32	AKO-M46	AKO-M68
Density @ 15°C	kg/L	ASTM D4052	0.859	0.864	0.871
Kinematic Viscosity @ 40°C	Cst	ASTM D445	31.4	44.8	66.5
Kinematic Viscosity @ 100°C	Cst	ASTM D445	5.6	6.8	9
Viscosity Index		ASTM D2270	114	115	109
Flash Point, COC	°C	ASTM D92-05A	>220	>230	>230
Pour Point	°C	ASTM D97	<-25	<-25	<-22

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SPECIFICATIONS

DIN 51506

NORC KOMPRESSOR AKO-S46

Fully Synthetic Ash Free Compressor Oil

PRODUCT DESCRIPTION

NORC KOMPRESSOR AKO-S46 is a high performance fully synthetic ash free compressor oil for use in reciprocating and centrifugal compressors that are working in extreme temperatures and severe operating conditions.

NORC KOMPRESSOR AKO-S46 is especially engineered from 100% PAO base synthetics in combination with a unique and innovative additive technology to fully satisfy the increasing requirements of compressors' manufacturers on the service life of compressor oils.

NORC KOMPRESSOR AKO-S46 guarantees sufficient lubrication at high as well as low temperatures to minimize wear. Selected and balanced ash free additives minimize carbon residue formation which might otherwise lead to ignition. It offers superior properties and it is excellently suited for use in many applications.

BENEFITS

- 100% Synthetic.
- Ash Free additive package.
- Extreme high thermal and oxidation stability.
- Extra high viscosity index.
- Wide spectrum of uses an applications.
- Excellent anti-wear properties.
- Excellent anti-foam properties.
- Excellent anti-corrosion properties.
- Superior demulsibility and air release performance.
- Compatible with mineral lubricants.
- Excellent filterability and minimizes filter blockage.



Ash
Free

100%
Synthetic

Superior
Demulsibility

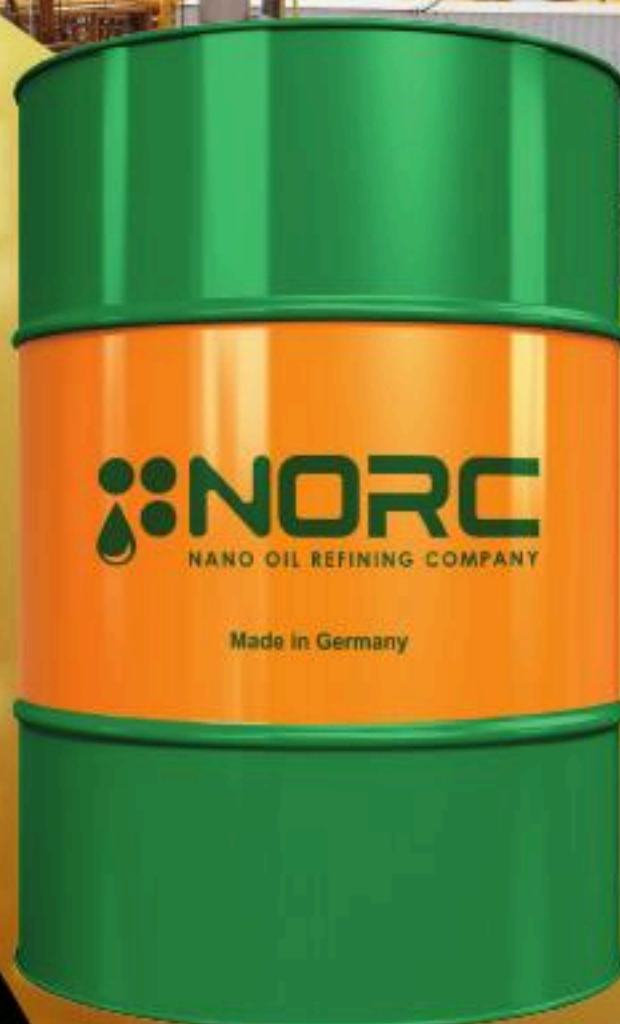
Excellent
Anti Wear
& Foam

Excellent Anti
Corrosion

Compatible
With Mineral
Lubricants

Ultimate
Protection





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	METHOD	AKO-S46
ISO VG Grade	-	ISO 3346	46
Density @ 15°C	kg / m ³	ASTM D 4052	840
Kinematic Viscosity @ 40°C	mm ² / s	ASTM D 7042	46.2
Kinematic Viscosity @ 100°C	mm ² / s	ASTM D 7042	11.9
Viscosity Index	-	ASTM D 2270	145
Flash Point, COC	°C	ASTM D 92	> 240
Pour Point	°C	ASTM D 97	-45
Water Separability @ 54°C	Minutes	ASTM D 1401	Pass
Air Release Value @ 50°C	Minutes	ASTM D 3247	Pass

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SPECIFICATIONS

DIN 51506
VBL / VCL / VDL
ISO 6743-3A
ISO-L-DAB / DAJ

NORC KOMPRESSOR[®] AZF-M

Ash Zinc Free Compressor Oils

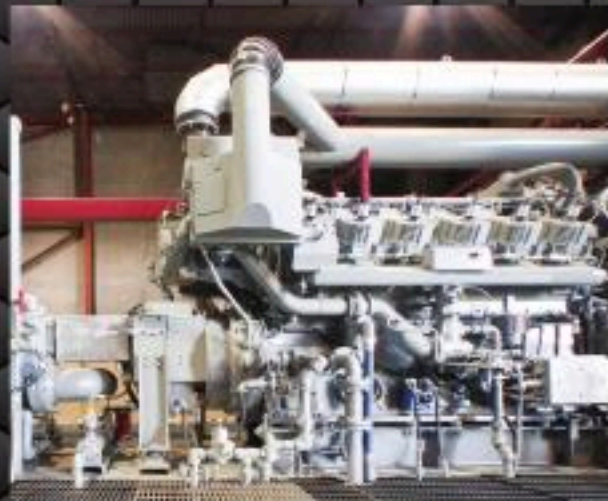
PRODUCT DESCRIPTION

NORC KOMPRESSOR AZF-M lubricating oils are precisely engineered with Para-Base oils and state of the art additive technology. Effective Zinc-Ash Free components ensure an optimum lubrication performance and long lasting protection against aging. Whether in the upper temperatures, or in the cold start of the compressor, it guarantees a sufficient wear reduction and superior reliability.

NORC KOMPRESSOR AZF-M oils and through its selected additive technology minimize the tendency to coke and to form flammable residues. The product is characterized by its good viscosity-temperature behavior. It can also be used for the circulatory lubrication of jet engines where the manufacturer does not prescribe HD engine oils.

BENEFITS

- Ash & Zinc Free additive technology
- Superior protection against wear
- Excellent anti-corrosion
- Excellent anti-oxidation properties
- Good shear stability
- Optimum lubrication performance
- Minimal evaporation losses
- Minimal foaming and excellent air release
- Suitable for low & high temperature applications
- Minimize the formation of coke and flammable residues



Ash & Zinc
Free

Excellent
anti-corrosion

Excellent
anti-oxidation

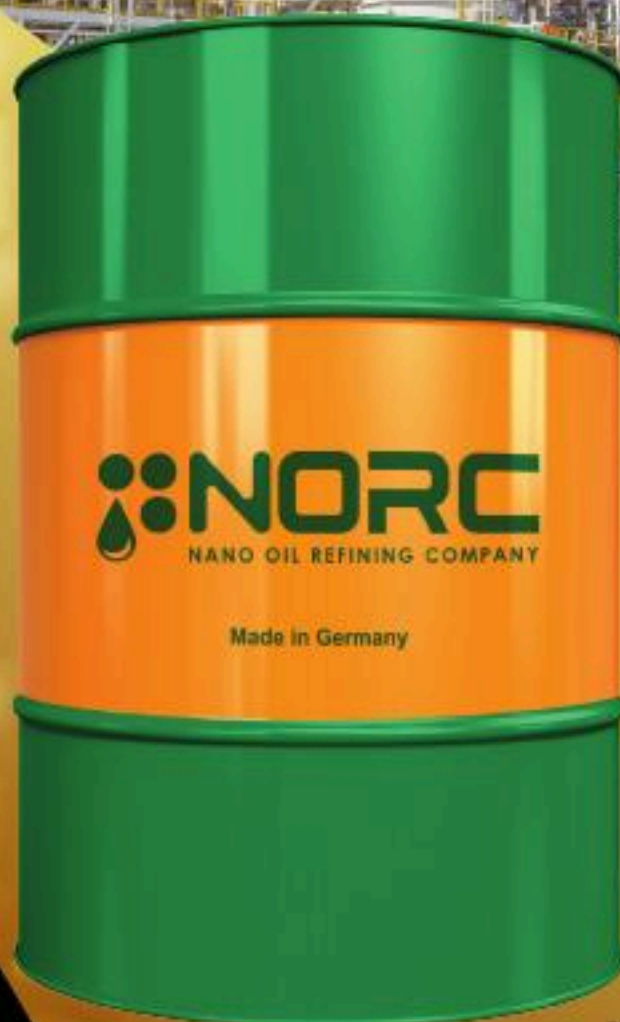
Good Shear
Stability

Minimal
Evaporation
Losses

Excellent
Air Release

Ultimate
Protection





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	METHOD	AZF-M46	AZF-M68	AZF-M100	AZF-M150
Density @ 15°C	Kg/m ³	EN 15613	864	871	878	882
Kinematic Viscosity @ 40°C	mm ² /s	DIN 51562-1	44.8	66.5	98.7	98.7
Kinematic Viscosity @ 100°C	mm ² /s	DIN 51562-1	6.8	9.0	11.5	15.1
Viscosity Index		DIN 5156	113	109	100	101
Flash Point, CDC	°C	EN 15613	230	230	240	
Pour point	°C	EN 15613	-24	-34	-21	

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SPECIFICATIONS

DIN 51506
FZG-Test A8.3/90 Schadenskraftstufe: 13

RECOMMENDATIONS

Low Coking Tendency
VBL / VCL (werder übertr en)

NORCCGLP[®] AGO-M

High Performance Ash Free Industrial Gear Oils

PRODUCT DESCRIPTION

NORC CGLP AGO-M is an industrial gear oil developed to lubricate various types of gears and bearings typically used in industrial settings such as: spur gears, bevel gears, worm gears, gear trains, bearings with dip and circulator lubrication, and axial bearings. It provides optimal ratio of EP properties and anti-friction capacities to be effectively used in various components and units of industrial equipment.

NORC CGLP AGO-M performs well under extreme operating conditions in gears and bearings of mining machinery, crushing mills, gears, and bearings. It is engineered using innovative ash free additive technology to provide outstanding wear and corrosion protection under the most extreme conditions. It is neutral against sealing materials, and characterized by a superb viscosity-temperature behavior.

BENEFITS

- Ash Free additive technology
- Excellent oxidation resistance
- Good water separation and rust resistance
- High pressure resistance
- High flash point
- Neutral against sealing materials
- Outstanding wear and corrosion protection
- Superb viscosity-temperature behavior
- Wide range of applications



Ash
Free

Multi-
Applications

High
Pressure
Resistance

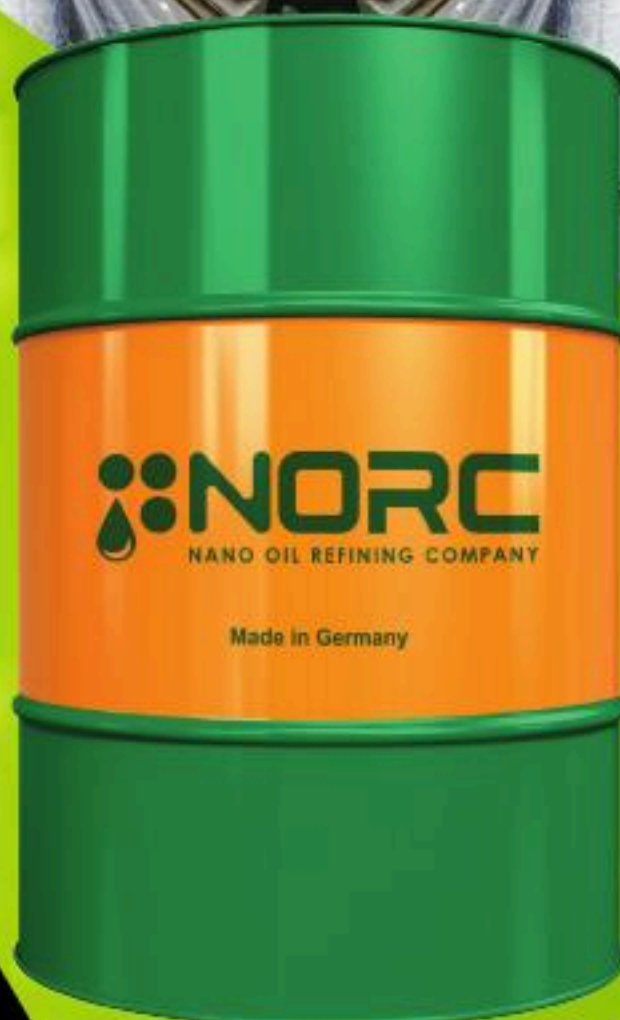
Oxidation
& Wear
Protection

Excellent
Water
Separation

Minimal
Breakdowns

Superb
Viscosity
Retention





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	AGO-M150	AGO-M220	AGO-M320
Density@ 15°C	Kg/L	ASTM D4052	0.885	0.890	0.895
Kinematic Viscosity @ 40°C	Cst	ASTM D445	75.7	214.4	307.2
Kinematic Viscosity @ 100°C	Cst	ASTM D445	75.1	19.4	34.7
Viscosity Index		ASTM D2270	100	100	99
Flash Point, COC	°C	ASTM D92-05A	>240	>240	>240
Pour Point	°C	ASTM D97	<-25	<-25	<-25

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SPECIFICATIONS

DIN 51517 PART3
AGMA 9005-E02
AIST 224
CINCINNATI EP
DAVID BROWN S1.53.101

NORCELEKTRISCH[®] INS-F LV

High Performance Electric Insulation Fluid

PRODUCT DESCRIPTION

NORC ELEKTRISCH INS-F LV is a high performance and high efficiency electrical insulation fluid that was developed to maximize performance and productivity.

NORC ELEKTRISCH INS-F LV was specially engineered using the highest quality raw materials to withstand energy spikes in extremely hot and cold climates. It is produced using Sulphur free base stocks to prevent corrosion. The special negative gassing effects and increased flash point reduce the risk of fire and explosion.

NORC ELEKTRISCH INS-F LV is a fully inhibited oil designed to meet the requirements needed by the latest power transformers, providing outstanding performance and protection which minimize breakdowns and reduce maintenance costs.

BENEFITS

- Extended oil life
- Excellent oxidation performance
- Excellent protection against corrosion
- Excellent low temperature viscometric properties
- Free from Sulphur
- Less breakdowns and maintenance expenses
- Maximize performance and productivity
- Proper heat transfer inside transformers
- Reduce the risk of fire and explosion
- Suitable for use in extreme hot and cold climates



Extended
Oil Life

Excellent
Oxidation
Performance

Excellent
Protection

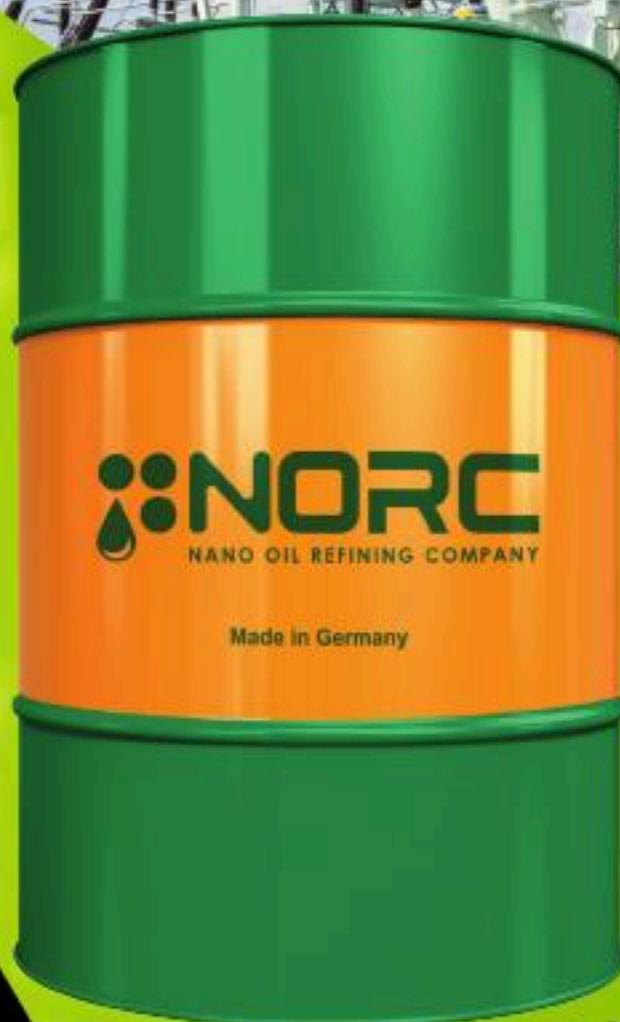
Free From
Sulphur

Minimize
Maintenance
Expenses

Proper
Heat
Transfer

Maximize
Performance





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	ELEKTRISCH INS-F LV
Specific Gravity @ 15°C	Kg / L	0.84
Kinematic Viscosity @ 40°C	Cst	6.1
Gassing Tendency	ul/min	53
Corrosive Sulphur		Not Present
Total Acid Number (TAN)	mg KOH / g	< 0.05
Flash Point (COC)	°C	145
Pour Point	°C	- 51

SPECIFICATIONS

ASTM D3487
IEC 60296

* Further Values
Available Upon
Request

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NORCELEKTRISCH[®] INS-F

High Performance Electric Insulation Fluid

PRODUCT DESCRIPTION

NORC ELEKTRISCH INS-F is a high performance and high efficiency electrical insulation fluid that was developed to maximize performance and productivity. It was specially engineered using the highest quality raw materials to withstand energy spikes in extremely hot and cold climates.

NORC ELEKTRISCH INS-F is produced using Sulphur free base stocks to prevent corrosion. Since it is free from carcinogenic poly-nuclear aromatics (PNAs), the product is essentially non-toxic. The special negative gassing effects and increased flash point reduce the risk of fire and explosion.

NORC ELEKTRISCH INS-F is a fully inhibited oil ideal for use in larger power and distribution transformers operating at peak capacity as well as free-breathing units, pad mount and pole mount transformers. It is designed for Type I & Type II applications.

BENEFITS

- Designed for Type I & Type II applications
- Extended oil life
- Excellent protection against corrosion
- Excellent low temperature viscometric properties
- Free from Sulphur
- Less breakdowns and maintenance expenses
- Non-toxic formulation
- Outstanding performance
- Proper heat transfer inside transformers
- Reduce the risk of fire and explosion
- Suitable for use in extreme hot and cold climates



Extended
Oil Life

Free From
Sulphur

Minimize
Maintenance
Expenses

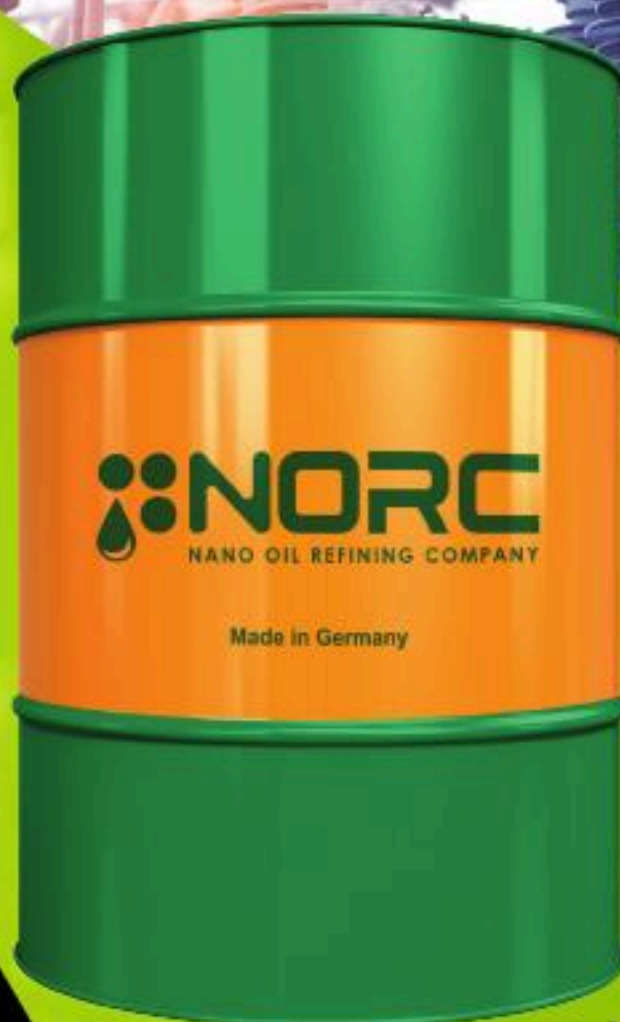
Non-toxic
Formulation

Reduce Risk
Of Fire

Suitable
For All
Climates

Excellent
Protection &
Performance





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	ELEKTRISCH INS-F
Specific Gravity @ 15°C	Kg / L	0.815
Kinematic Viscosity @ 40°C	Cst	9.2
Kinematic Viscosity @ 100°C	Cst	2.8
Kinematic Viscosity @ 0°C	Cst	55
Kinematic Viscosity @ -40°C	Cst	1250
Flash Point	°C	170
Pour Point	°C	- 60

* Further Values
Available Upon
Request

SPECIFICATIONS

CSA C50 (CLASS A & CLASS B)
CSA C50-08 (TYPE III & TYPE IV)
ASTM D3487
IEC 60296
HYDRO ONE M-104

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considered to be actual specification. "NANO OIL REFINING COMPANY
NORC GmbH" holds its right to make modifications.

NORCHTO-SYN 25[®]

Synthetic Heat Transfer Oil

PRODUCT DESCRIPTION

NORC HTO-SYN 25 is a high quality synthetic heat transfer oil intended for use in closed indirect heating systems with expansion tanks temperature up to 350°C. It is easy to dispose, since its formula is non-toxic, and as well non-corrosive to aluminum, steel, and copper brass or bronze.

NORC HTO-SYN 25 is precisely designed with exceptional resistance to thermal cracking and decomposition that enables the oil to perform well up to a maximum bulk oil temperature of 350°C with minimal interference with heat transfer capability.

NORC HTO-SYN 25 has a superior low temperature fluidity to ensure quick circulation at start-up and reduced risk of local over-heating. Furthermore, it has a high specific heat and thermal conductivity.

BENEFITS

- Non-toxic formulation for easy disposal.
- Non corrosive to aluminum, steel, copper, brass or bronze.
- Minimizes deposit formation and viscosity increase.
- Extended service life and reduced downtime
- Exceptional resistance to thermal cracking and decomposition.
- Minimal interference with heat transfer capability.
- High specific heat and thermal conductivity.
- Rapid heat dissipation.
- Superior low temperature fluidity.
- Excellent thermal and oxidation stability.



Synthetic

Non-Toxic
Formulation

Non
Corrosive
Metals

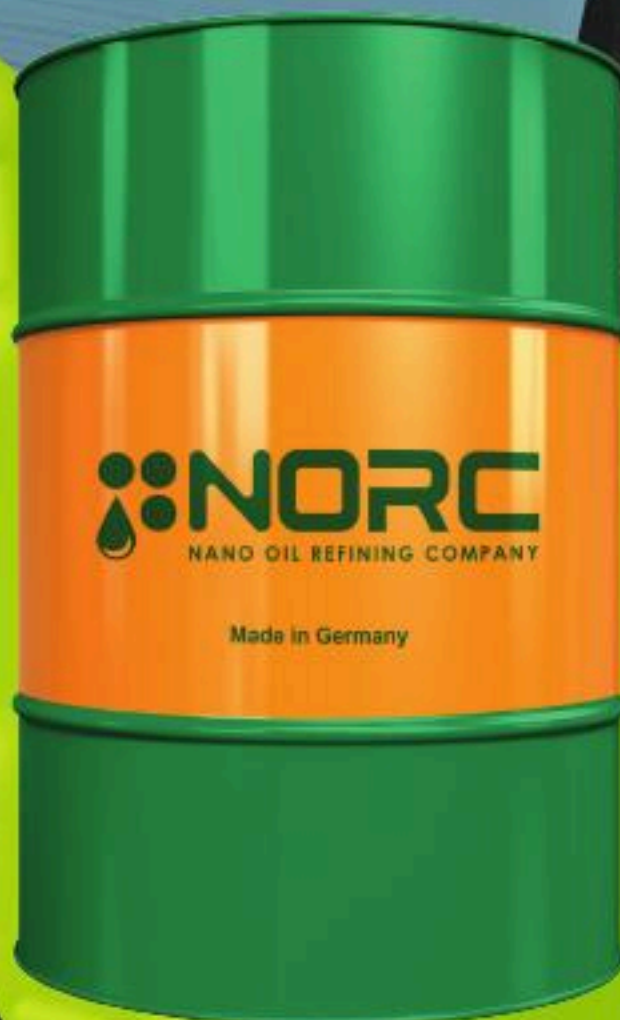
Minimizes
Deposit
Formation

Extended
Service Life

Reduces
Downtime

Rapid Heat
Dissipation





205 Litres 

TECHNICAL DETAILS

PROPERTY	UNIT	HTO-SYN 25
Density @ 15°C	Kg/m	840
Kinematic Viscosity @ 40°C	mm ² /s ¹	23.5
Kinematic Viscosity @ 100°C	mm ² /s ¹	4.9
Viscosity Index		152
Flash Point, COC	°C	220
Pour point	°C	-21
Total Acid Number	mgKOH/g	0.3
Specific Heat @ 300°C	KJ/Kg°K	3,051
Specific Heat @ 200°C	KJ/Kg°K	2,757
Specific Heat @ 100°C	KJ/Kg°K	2,343

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NORCOZEAN[®] TP 20/40

High Performance Trunk Piston Engine Oil

PRODUCT DESCRIPTION

NORC OZEAN TP 20/40 is a premium quality multi-functional trunk piston engine oil designed for use in the latest highly rated medium speed diesel engines operating on residual fuels with a maximum sulfur content of 1.50%.

NORC OZEAN TP 20/40 is a detergent lubricant recommended for all medium speed trunk piston engines, in power generation, industrial or marine propulsion and auxiliary engines which are burning residual fuel.

NORC OZEAN TP 20/40 is precisely engineered using high quality base oils and optimally adapted additives to ensure and excellent neutralizing capacity, high wear protection, high anti-oxidation-stability and excellent engine cleanliness.

BENEFITS

- Exceptional detergency & cleanliness to reduce soot build up and black sludgey
- Outstanding TBN retention
- Sufficient load carrying capacity to protect against high loads
- Excellent thermal and oxidation stability
- Excellent high temperature deposit control
- Extended drain interval
- Excellent rust and corrosion properties
- Excellent corrosive wear protection
- High level of dispersancy
- Improve engine longevity
- Low oil consumption level



Excellent
Oxidation
Stability

Excellent
Deposit
Control

Extended
Drain
Interval

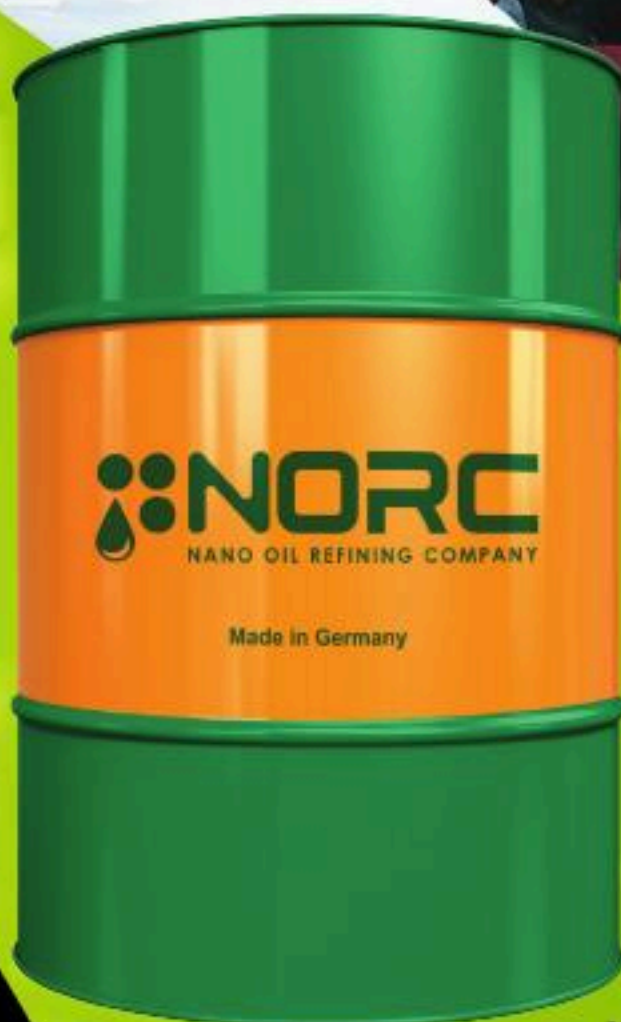
Improve
Engine
Longevity

Low Oil
Consumption

Outstanding
TBN
Retention

Sufficient
Load
Carrying





Made in Germany

205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	TP 20/40
SAE Grade		SAE J 300	40
Density @ 15°C	Kg/m ³	ASTM D 4052	906
Kinematic Viscosity @ 40°C	mm ² /s	ASTM D 7042	145
Kinematic Viscosity @ 100°C	mm ² /s	ASTM D 7042	36.3
Viscosity Index		ASTM D 2270	99
Flash Point COC	°C	ASTM D 92	> 200
Pour Point	°C	DIN ISO 9016	≤ -15
Total Base Number TBN	mg KOH/g	ASTM D 2896	20
Sulfated Ash	% Wt.	ASTM D 874	2.6

SPECIFICATIONS

API CF
Wärstilä
MAN Diesel & Turbo
Daihatsu & HHI (HIMSEN)
Yanmar

The above data is just an indication based on production, and does not considered to be actual specification. "NANO OIL REFINING COMPANY NORC GmbH" holds its right to make modifications.

NORCOZEAN[®] TP 30/40

High Performance Trunk Piston Engine Oil

PRODUCT DESCRIPTION

NORC OZEAN TP 30/40 is a premium quality multi-functional trunk piston engine oil designed for use in the latest highly rated medium speed diesel engines operating on residual fuels with a maximum sulfur content of 3.50%.

NORC OZEAN TP 30/40 is a detergent lubricant recommended for all medium speed trunk piston engines, in power generation, industrial or marine propulsion and auxiliary engines which are burning residual fuel.

NORC OZEAN TP 30/40 is precisely engineered using high quality base oils and optimally adapted additives to ensure and excellent neutralizing capacity, high wear protection, high anti-oxidation-stability and excellent engine cleanliness.

BENEFITS

- Exceptional detergency & cleanliness to reduce soot build up and black sludgey
- Outstanding TBN retention
- Sufficient load carrying capacity to protect against high loads
- Excellent thermal and oxidation stability
- Excellent high temperature deposit control
- Extended drain interval
- Excellent rust and corrosion properties
- Excellent corrosive wear protection
- High level of dispersancy
- Improve engine longevity
- Low oil consumption level



Excellent
Oxidation
Stability

Excellent
Deposit
Control

Extended
Drain
Interval

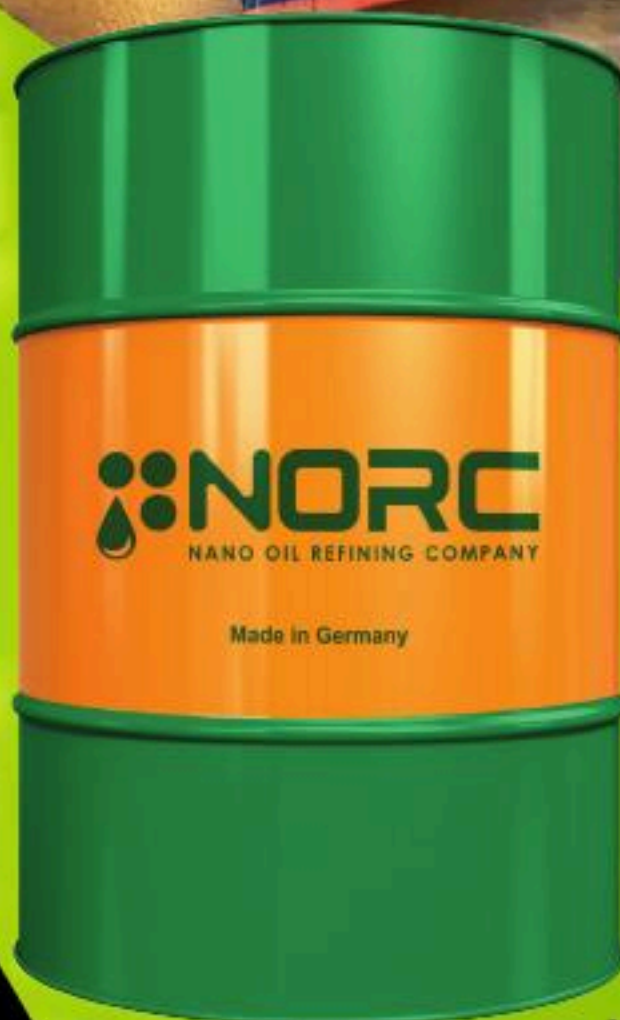
Improve
Engine
Longevity

Low Oil
Consumption

Outstanding
TBN
Retention

Sufficient
Load
Carrying





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	TP 30/40
SAE Grade		SAE J 300	40
Density @ 15°C	Kg/m ³	ASTM D 4052	904
Kinematic Viscosity @ 40°C	mm ² /s	ASTM D 7042	133
Kinematic Viscosity @ 100°C	mm ² /s	ASTM D 7042	13.9
Viscosity Index		ASTM D 2270	100
Flash Point COC	°C	ASTM D 92	> 200
Pour Point	°C	DIN ISO 9016	≤ -9
Total Base Number TBN	mg KOH/g	ASTM D 2896	30
Sulfated Ash	% Wt.	ASTM D 874	3.7

SPECIFICATIONS

API CF
Wärstilä
MAN Diesel & Turbo
Daihatsu & HHI (HIMSEN)
Yanmar

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NORCOZEAN[®] TP 40/40

High Performance Trunk Piston Engine Oil

PRODUCT DESCRIPTION

NORC OZEAN TP 40/40 is a high performance medium alkaline trunk piston engine oil for highly rated medium-speed diesel engines running on residual fuel and high Sulphur content up to 3.5%.

NORC OZEAN TP 40/40 is a detergent lubricant recommended for all medium speed trunk piston engines industrial or marine propulsion and auxiliary engines which are burning residual fuel.

NORC OZEAN TP 40/40 is precisely engineered using high quality base oils and optimally adapted additives to ensure excellent neutralizing capacity, high wear protection, high anti-oxidation-stability and excellent engine cleanliness.

NORC OZEAN TP 40/40 can be used in 4-stroke medium-speed trunk piston engines, where high engine cleanliness is required, and it is also suitable to be used as a circulating oil for auxiliary diesel engines.

BENEFITS

- Excellent thermal and oxidation stability
- Excellent high temperature deposit control
- Extended drain interval
- Excellent rust and corrosion properties
- Excellent corrosive wear protection
- High level of detergency and cleanliness
- High level of Dispersancy
- Improve engine longevity
- Low oil consumption level
- Outstanding TBN retention
- Sufficient load carrying capacity to protect against high loads



Excellent
Oxidation
Stability

Excellent
Deposit
Control

Extended
Drain
Interval

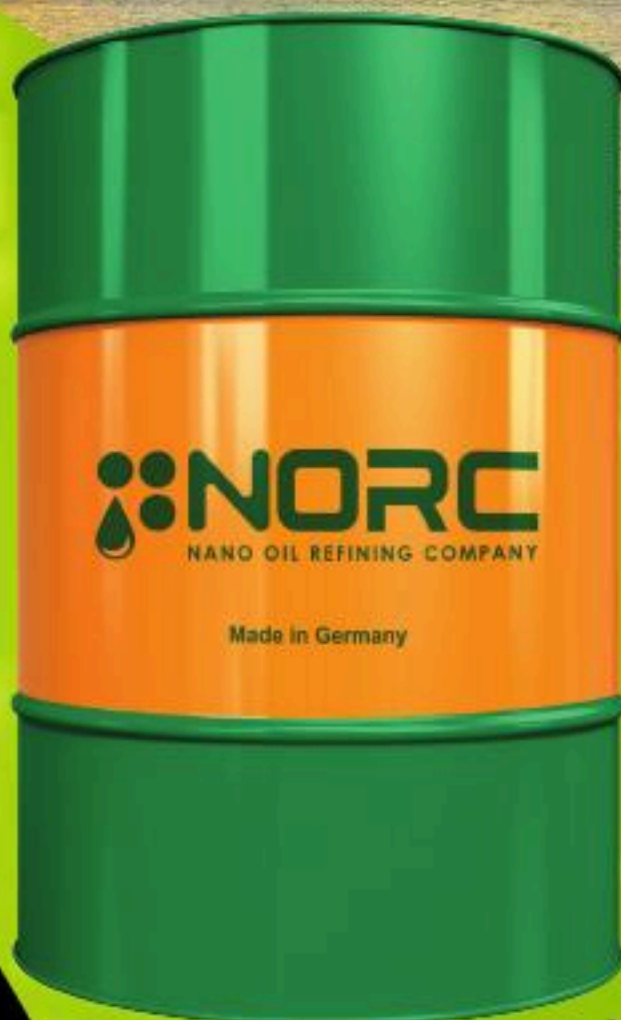
Improve
Engine
Longevity

Low Oil
Consumption

Outstanding
TBN
Retention

Sufficient
Load
Carrying





205 Litres e

TECHNICAL DETAILS

PROPERTY	UNIT	TEST METHOD	TP 40/40
SAE Grade		SAE J 300	-40
Density @ 15°C	g/cm ³	DIN 51 757	0.911
Kinematic Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	14.0
Flash Point CDC	°C	DIN ISO 2592	> 250
Pour Point	°C	DIN ISO 3016	- 9
Total Base Number TBN	mg EDT/g	DIN ISO 3771	-40

SPECIFICATIONS

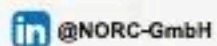
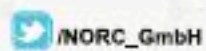
API CF
Wärstilä
MAN Diesel & Turbo
Daihatsu & HHI (HIMSEN)
Yanmar

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