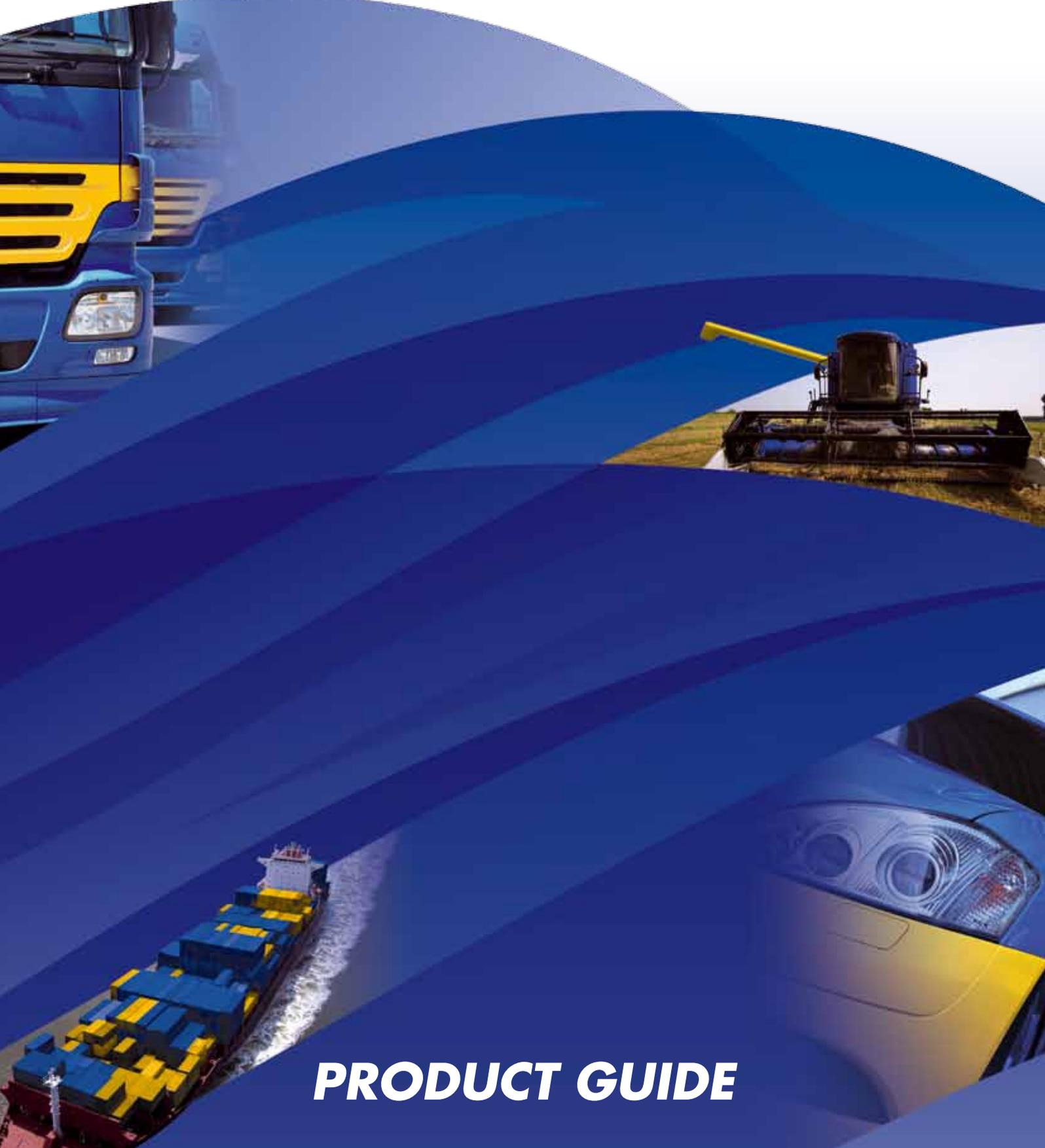


NORTH SEA **LUBRICANTS**



PRODUCT GUIDE



Introduction	4
Passenger Car Motor Oils	6
Heavy Duty Engine Oils	12
Small Engine Oils	18
Automotive Gear Oils	20
Automatic Transmission Fluids	23
Agricultural Oils	25
Industrial Gear Oils	28
Automotive Brake Fluids	29
Antifreeze & Cooling Fluids	30
Greases	32
Chain Saw Oils	34
Compressor & Turbine Oils	34
Hydraulic Oils	35
Marine Oils	37
Railroad Engine Oils	40
Heat Transfer Oils	40
Slideway Oils	40
Specialties	41
Product Specifications	42

North Sea Lubricants B.V. is a major independent lubricating oil brand and global player based in the Netherlands. Formed by key stakeholders in the international lubricant industry, **North Sea Lubricants B.V.** provides a comprehensive selection of European manufactured **high quality lubricants** for today's ever developing market.

North Sea Lubricants B.V. produces its full product range at a sophisticated **ISO 9001: 2008** certified Lubricant Blending Plant in the Netherlands. The plant is located near Rotterdam, from where it can very well distribute the products on a worldwide base due to its favourable logistic position. The premium location of its Lubricant Blending Plant also allows **North Sea Lubricants B.V.** to acquire its **high quality base oils and additives** under the **best possible conditions**.

North Sea Lubricants B.V.'s Blending Plant includes manufacturing facilities, blending tanks, warehouses, offices, a quality control laboratory and a technical / research & development department. The facility also has its own jetty which allows berthing of sea going vessels up to 7500 mT for the supply of **high quality virgin base oils**.

North Sea Lubricants B.V.'s product range is developed and produced with high quality base oils and additives, resulting in **top quality lubricants** meeting the latest standards of the Original Equipment Manufacturers (OEMs). Various products have also been officially **approved by OEMs** such as Mercedes-Benz, Volkswagen, BMW, MAN, Volvo etc...

North Sea Lubricants B.V. aims to provide an European quality & service level on a worldwide base by selecting experienced and highly motivated local distributors, providing the best local service together with a backed up European quality product range.





WAVE POWER RACING 10W-60

Product code 7201

WAVE POWER RACING 10W-60 is a high performance fully synthetic motor oil of exceptional quality, delivering extreme performance in gasoline-, diesel- and LPG fuelled engines in passenger cars with or without turbocharger, working under severe temperature and load conditions.

- Excellent thermal- and oxidation stability.
• Very good dispersant and detergent properties.
• Excellent cold temperature properties for a smooth cold start.
• Excellent protection against wear, corrosion and foam.
• Suited for extreme and severe conditions.

WAVE POWER RACING 10W-60 is based on high quality 100% synthetic Poly Alpha Olefin (PAO) in combination with an unique additive package to ensure the following properties:

Exceeds API SL/CF, ACEA A3/B4, MB 229.1, VW 502.00/505.00

WAVE POWER RACING 5W-50

Product code 7202

WAVE POWER RACING 5W-50 is a high performance motor oil based on 100% synthetic technology with exceptional quality, delivering extreme performance in gasoline-, diesel- and LPG fuelled engines in passenger cars with or without turbocharger, working under severe temperature and load conditions.

- Excellent thermal- and oxidation stability.
• Very good dispersant and detergent properties.
• Excellent cold temperature properties for a smooth cold start.
• Excellent protection against wear, corrosion and foam.
• Suited for extreme and severe conditions.

WAVE POWER RACING 5W-50 is based on high quality synthetic base oil in combination with an unique additive package to ensure the following properties:

Exceeds API SM/CF, ACEA A3/B4, MB 229.1, VW 502.00/505.00

WAVE POWER SM 5W-40

Product code 7204

WAVE POWER SM 5W-40 is an universal high performance fuel saving oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF).

- Very good low temperature properties.
• Protection to wear by cold start.
• Very high thermal- and oxidation stability.
• Excellent resistance against foaming, corrosion and wear.
• High dispersancy and detergency level.
• High viscosity index.

WAVE POWER SM 5W-40 is formulated with high quality synthetic base stocks in combination with an unique additive technology to achieve the following performance:

Approved MB-Approval 229.3, VW 502.00/505.00, BMW LL-01
Exceeds API SN/CF, ACEA A3/B4, GM-LL-B025, PSA B71 2296, Porsche A40, Renault 0700/0710,

WAVE POWER SL 10W-40

Product code 7206

WAVE POWER SL 10W-40 is an universal high performance fuel saving semi synthetic oil for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF).

- Very good low temperature properties.
• Protection to wear by cold start.
• Very high thermal- and oxidation stability.
• Excellent resistance against foaming, corrosion and wear.
• High dispersancy and detergency level.
• High viscosity index.

WAVE POWER SL 10W-40 is formulated with high quality refined mineral and synthetic base stocks in combination with a special additive technology to achieve the following performance:

Approved MB-Approval 229.1, VW 501.01/505.00
Exceeds ACEA A3/B4, API SL/CF

WAVE POWER SL 15W-40

Product code 7208

WAVE POWER SL 15W-40 is a high performance mineral engine oil suitable for gasoline-, LPG-, and diesel engines in modern passenger cars and light vans with or without turbochargers.

- Good thermal and oxidation stability.
• Stay-in-grade.
• Good protection against wear, foam en corrosion.
• Low temperature properties, to ensure a smooth cold start.

WAVE POWER SL 15W-40 is based on high performance virgin mineral base oil in combination with a specially selected additive technology to ensure the following properties:

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

WAVE POWER SL-CF 10W-40

Product code 7209

WAVE POWER SL-CF 10W-40 is an universal high performance semi synthetic oil for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF).

- Very good low temperature properties.
• Protection to wear by cold start.
• Very high thermal- and oxidation stability.
• Excellent resistance against foaming, corrosion and wear.
• High dispersancy and detergency level.
• High viscosity index.

WAVE POWER SL-CF 10W-40 is formulated with high quality refined mineral and synthetic base stocks in combination with a special additive technology to achieve the following performance:

Exceeds API SL/CF, ACEA A3/B4

WAVE POWER SL 20W-50

Product code 7210

WAVE POWER SL 20W-50 is a high performance mineral engine oil suitable for gasoline-, LPG-, and diesel engines in modern passenger cars and light vans with or without turbochargers.

- Good thermal and oxidation stability.
• Stay-in-grade.
• Good protection against wear, foam en corrosion.
• Low temperature properties, to ensure a smooth cold start.

WAVE POWER SL 20W-50 is based on high performance virgin mineral base oil in combination with a specially selected additive technology to ensure the following properties:

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

WAVE POWER SF 15W-40

Product code 7212

WAVE POWER SF 15W-40 is a multi functional mineral engine oil for older gasoline-, diesel- and LPG engines of passenger car and light vans with or without turbo compressor.

- Stable viscosity index.
• Good protection against rust, corrosion and wear.
• Good dispersancy and detergency properties.
• Good antifoam properties.

WAVE POWER SF 15W-40 is formulated on high performance virgin base stocks in combination with selected additive package to reach the following properties:

Exceeds API SF/CD





WAVE POWER SF 20W-50

Product code **7214**

WAVE POWER SF 20W-50 is a multi functional mineral engine oil for older gasoline-, diesel- and LPG engines of passenger car and light vans with or without turbo compressor.

WAVE POWER SF 20W-50 is formulated on high performance virgin base stocks in combination with selected additive package to reach the following properties:

- Stable viscosity index.
- Good protection against rust, corrosion and wear.
- Good dispersancy and detergency properties.
- Good antifoam properties.

Exceeds API SF/CD

WAVE POWER SL 0W-30

Product code **7219**

WAVE POWER SL 0W-30 is a high performance fully synthetic motor oil for gasoline- and diesel engines of modern passenger cars and light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF)

WAVE POWER SL 0W-30 is based on high quality 100% synthetic Poly Alpha Olefin (PAO) in combination with an unique additive package to ensure the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersant and detergent properties.
- Excellent cold temperature properties for a smooth cold start.
- Excellent protection against wear, corrosion and foam.
- Suited for extreme and severe conditions.

Exceeds ACEA A3/B4, API SJ/CF, VW 502.00/505.00, VW 503.01, MB 229.3, BMW LL-98

WAVE POWER FE 5W-30

Product code **7220**

WAVE POWER FE 5W-30 is a high performance fuel conserving semi synthetic oil for gasoline- and diesel engines in passenger cars en light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF).

WAVE POWER FE 5W-30 is formulated with high quality refined mineral and synthetic base stocks in combination with a special additive technology to achieve the following performance:

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.
- Longer oil drain interval.

Exceeds ACEA A1/B1, API SL, ILSAC GF-3, Ford M2C-913A/913B

WAVE POWER GM 5W-30

Product code **7221**

WAVE POWER GM 5W-30 is a high performance fuel conserving oil based on 100% synthetic technology for gasoline- and diesel engines in passenger cars en light vans with or without turbocharger and suited for GM/Opel vehicles requiring GM-LLA-025/B-025.

WAVE POWER GM 5W-30 is formulated with high quality synthetic base stocks in combination with a special additive technology to achieve the following performance:

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.
- Longer oil drain interval.

Exceeds ACEA A3/B4, API SN/CF, MB 299.5, VW 502.00/505.00, BMW LL-01, Opel GM-LL-A025, Opel GM-LL-B025, Renault RN 0710

WAVE POWER LL 5W-30

Product code **7224**

WAVE POWER LL 5W-30 is a high performance fuel saving LOW SAPS long life oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger cars and light vans where a VAG norm 504.00/507.00 has been prescribed and also suitable for vehicles where MB 229.51 and BMW LL-04 are required.

Remark: not suitable for R5- en V10 TDI engines and engines where VAG norm VW 506.01 is being advised.

WAVE POWER LL 5W-30 is formulated with high quality synthetic base stocks in combination with an unique additive technology to achieve the following performance:

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.
- Extended oil drain interval.
- Also suitable for engines equipped with other catalyst like TWC.

Approved VW 504.00/507.00, MB-Approval 229.51, BMW LL-04

Exceeds ACEA A3/B4, C3,

WAVE POWER LE 5W-30

Product code **7225**

WAVE POWER LE 5W-30 is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology for use in the latest generation gasoline and diesel engines of passenger car and light vans with or without turbocharger.

WAVE POWER LE 5W-30 is developed for use in engine which are equipped with or without an exhaust gas after treatment system.

WAVE POWER LE 5W-30 is based on high performance 100% synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Good thermal and oxidation stability.
- MID SAPS technology.
- Good protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Equipped for diesel engines with an exhaust after treatment system.
- Fuel saving properties

Approved MB-Approval 229.51, BMW LL-04, VW 502.00/505.00

Exceeds ACEA A3/B4, C3, API SN/CF, Renault RN 0700/0710

WAVE POWER LE 5W-40

Product code **7226**

WAVE POWER LE 5W-40 is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology for use in the latest generation gasoline and diesel engines of passenger car and light vans with or without turbocharger.

WAVE POWER LE 5W-40 is developed for use in engine which are equipped with or without an exhaust gas after treatment system.

WAVE POWER LE 5W-40 is based on high performance 100% synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Good thermal and oxidation stability.
- MID SAPS technology.
- Good protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Equipped for diesel engines with an exhaust after treatment system.
- Fuel saving properties

Approved MB-Approval 229.51, VW 502.00/505.00 & VW 505.01

Exceeds ACEA A3/B4, C3, API SN/CF, Renault RN 0700/0710, BMW LL-04

WAVE POWER FEC 5W-30

Product code **7227**

WAVE POWER FEC 5W-30 is a high performance fuel saving oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger and designed for the last generation Ford vehicles and other vehicles where an ACEA A5/B5 is been required. This product is not to be used in diesel engines equipped with a Diesel Particle Filter (DPF).

WAVE POWER FEC 5W-30 is formulated with high quality synthetic base stocks in combination with an unique additive technology to achieve the following performance:

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.
- Longer oil drain interval.

Exceeds: API SL/CF, ACEA A3/B4, MB 229.5, BMW LL-01, VW 502.00/505.00, Ford WSS M2C913C



WAVE POWER C2 5W-30

 Product code **7228**

WAVE POWER C2 5W-30 is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology to be used in gasoline- and diesel engines of the latest generation passenger cars and light vans where a PSA B71 2290 specification is required and suitable for all engines which require an ACEA A5/B5, C2 performance specification

WAVE POWER C2 5W-30 is based on high performance synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Excellent thermal and oxidation stability.
- Fuel saving properties.
- Excellent protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Long oil drain interval possible.

Exceeds API SN/CF, ACEA A1/B1, ACEA A5/B5, ACEA C2, PSA B71 2290, Renault 0700

WAVE POWER GMD 5W-30

 Product code **7229**

WAVE POWER GMD 5W-30 is a fuel conserving high performance MID SAPS engine oil based on 100% synthetic technology for gasoline- and diesel engines of passenger cars and light vans specially designed for the latest generation Opel/GM vehicles which require GM dexos 2 and is backwards compatible to engines which require GM-LLA-025/B-025 type engine oils.

WAVE POWER GMD 5W-30 is formulated with synthetic base oil in combination with a special selected additive package to ensure the following properties:

- Excellent thermal and oxidation stability.
- Excellent cold temperature properties for an easy cold start.
- Very good dispersant and detergent properties.
- Fuel saving properties due to low friction properties
- Very good antifoam, antiwear and anti-corrosion properties.
- MID SAPS technology, suitable for engines equipped with exhaust gas after treatment like DPF
- Long oil change interval possible.

Exceeds GM dexos 2, API SN/CF, ACEA A3/B4, C3, MB 229.51, BMW LL-04, VW 502.00/505.00

WAVE POWER BLL 5W-30

 Product code **7230**

WAVE POWER BLL 5W-30 is a high performance fuel saving LOW SAPS long life oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger cars and light vans where a VAG norm 504.00/507.00 has been prescribed and also suitable for vehicles where MB 229.51 and BMW LL-04 are required.

Remark: not suitable for R5- en V10 TDI engines and engines where VAG norm VW 506.01 is being advised.

WAVE POWER BLL 5W-30 is formulated with high quality synthetic base stocks in combination with an unique additive technology to achieve the following performance:

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.
- Extended oil drain interval.
- Also suitable for engines equipped with other catalyst like TWC.

Exceeds ACEA A3/B4, C3, VW 504.00/507.00, MB 229.51, BMW LL-04

WAVE POWER C4 5W-30

 Product code **7231**

WAVE POWER C4 5W-30 is a high performance fuel saving LOW SAPS oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger cars and light vans specially designed for the latest generation Renault and Nissan diesel engines equipped with a Diesel Particle Filter (DPF) and all other engines where an ACEA C4 product is required.

WAVE POWER C4 5W-30 is formulated with high quality synthetic base stocks in combination with an unique additive technology to achieve the following performance:

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.
- Extend oil drain interval.
- Also suitable for engines equipped with other catalyst like TWC.

Exceeds ACEA C4, RN 0720, MB 229.51

WAVE POWER SN 5W-20

 Product code **7232**

WAVE POWER SN 5W-20 is high performance fuel conserving engine oil based on 100% synthetic technology for all gasoline engines in passenger cars and light vans specially designed for the lubricating the latest generation vehicles like hybrid and ECO models which require a SAE 5W-20 and running on gasoline and/or ethanol-containing fuels up to E85

WAVE POWER SN 5W-20 is based on synthetic base oil in combination with a special additive package to obtain the following properties:

- Excellent thermal and oxidation stability.
- Excellent cold temperature properties for a smooth cold start.
- Very good dispersant and detergent properties.
- Fuel saving properties due to low friction properties
- Very good antifoam, antiwear and anti-corrosion properties.
- Long oil change interval possible.

Exceeds API SN/SN-RC, ILSA GF-5, GM Dexos 1, GM 4718M

WAVE POWER CC 15W-40

 Product code **7233**

WAVE POWER CC 15W-40 is a multi-functional mineral engine oil for older diesel & gasoline engines of passenger cars and light vans with or without turbo charger. Not suited for engines equipped with an exhaust gas after treatment system used in modern diesel engines like Diesel Particle Filter (DPF).

WAVE POWER CC 15W-40 is formulated on high performance virgin base stocks in combination with selected additive package to reach the following properties:

- Stable viscosity index.
- Good protection against rust, corrosion and wear.
- Good dispersancy and detergency properties.
- Good antifoam properties.
- Good thermal- and oxidation stability.

Exceeds API CC/SF

WAVE POWER SL 15W-40

 Product code **7234**

WAVE POWER SL 15W-50 is a high performance semi synthetic engine oil for gasoline- and diesel engines of passenger cars and light vans with or without turbocharger. Not suited for engines equipped with an exhaust gas after treatment system used in modern diesel engines like Diesel Particle Filter (DPF).

WAVE POWER SL 15W-50 formulated with high quality refined mineral and synthetic base stocks in combination with a special additive technology to achieve the following performance:

- Stable viscosity index.
- Good protection against rust, corrosion and wear.
- Good dispersancy and detergency properties.
- Good antifoam properties.
- Good thermal- and oxidation stability.

Exceeds API SL/CF

WAVE POWER SN 0W-20

 Product code **7235**

WAVE POWER SN 0W-20 is high performance fuel conserving engine oil based on 100% synthetic technology for all gasoline engines in passenger cars and light vans specially designed for the lubricating the latest generation vehicles like hybrid and ECO models which require a SAE 0W-20 and running on gasoline and/or ethanol-containing fuels up to E85.

WAVE POWER SN 0W-20 is based on synthetic base oil in combination with a special additive package to obtain the following properties:

- Excellent thermal and oxidation stability.
- Excellent cold temperature properties for a smooth cold start.
- Very good dispersant and detergent properties.
- Fuel saving properties due to low friction properties
- Very good antifoam, antiwear and anti-corrosion properties.
- Long oil change interval possible.

Exceeds: API SN/SN-RC, ILSA GF-5, GM Dexos 1, GM 4718M




TIDAL POWER SUPER UHPD 5W-30

 Product code **7249**

TIDAL POWER SUPER UHPD 5W-30 is a high performance engine oil based on 100% synthetic technology to be used in diesel engines in light- and heavy commercial vehicles with or without turbocharger designed for use in Euro-II, Euro-III and EURO-IV emission requirements and engines equipped with EGR and/or SCR exhaust after treatment system.

TIDAL POWER SUPER UHPD 5W-30 is not suitable for diesel engines equipped with a Diesel Particle Filter (DPF). TIDAL POWER SUPER UHPD 5W-30 is based on high performance synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Excellent thermal and oxidation stability.
- Excellent protection against forming of "Bore Polishing".
- Suitable for Low emission engine equipped with EGR and SCR technology
- Excellent protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Extended oil drain interval possible

Exceeds ACEA E7/E4, API CI-4, MB 228.5, MAN M 3277, Global DHD-1, Mack EO-M+, Renault RXD, Cummins 20076/20077/20072, MTU Type 3, Volvo VDS-3, Scania LDF

TIDAL POWER EHPD 10W-40

 Product code **7250**

TIDAL POWER EHPD 10W-40 is a high performance semi synthetic engine oil to be used in diesel engines in light- and heavy commercial vehicles with or without turbocharger designed for use in Euro-II, Euro-III and EURO-IV emission requirements and engines equipped with EGR and/or SCR exhaust after treatment system.

TIDAL POWER EHPD 10W-40 is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF). TIDAL POWER EHPD 10W-40 is based on high performance synthetic and mineral base oil in combination with a specially selected additive technology to ensure the following properties:

- Excellent thermal and oxidation stability.
- Excellent protection against forming of "Bore Polishing".
- Suitable for Low emission engine equipped with EGR and SCR technology
- Excellent protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Extended oil drain interval possible

Exceeds MB-228.5 (approval pending), MAN M 3277, Renault RLD-2, Volvo VDS-3, MACK EO-N, API CI-4, ACEA E7/E4, MTU Type 3, Cummins 20077/20078, Scania LDF-2

TIDAL POWER SHPD 15W-40

 Product code **7251**

TIDAL POWER SHPD 15W-40 is a fuel saving MID SAPS super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-4 and Euro-5 engines equipped with a Diesel Particle Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

TIDAL POWER SHPD 15W-40 is formulated with high refined synthetic base stock in combination with an unique additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals.
- Complies with strictest European emission regulation.

Exceeds API CJ-4, ACEA E9/E7, MB 228.31, MAN M 3575, MACK EO-O, Renault VI RLD-3, Volvo VDS-4, DDC PGOS 93K218, CAT ECF-3/2/1a, Deutz DQC III-05, MTU Type 2.1, Cummins 20081

TIDAL POWER UHPD 10W-40

 Product code **7252**

TIDAL POWER UHPD 10W-40 is a high performance engine oil based on 100% synthetic technology to be used in diesel engines in light- and heavy commercial vehicles with or without turbocharger designed for use in Euro-II, Euro-III and EURO-IV emission requirements and engines equipped with EGR and/or SCR exhaust after treatment system.

TIDAL POWER UHPD 10W-40 is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF). TIDAL POWER UHPD 10W-40 is based on high performance synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Excellent thermal and oxidation stability.
- Excellent protection against forming of "Bore Polishing".
- Suitable for Low emission engine equipped with EGR and SCR technology
- Excellent protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Extended oil drain interval possible

Exceeds API CI-4, ACEA E7/E4, MB 228.5, MAN M 3277, Volvo VDS-3, MTU Type 3, Renault RXD/RLD-2

TIDAL POWER SHPD 10W-30

 Product code **7253**

TIDAL POWER SHPD 10W-30 is a fuel saving MID SAPS super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-4 and Euro-5 engines equipped with a Diesel Particle Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

TIDAL POWER SHPD 10W-30 is formulated with high refined synthetic base stock in combination with an unique additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals.
- Complies with strictest European emission regulation.

Exceeds API CJ-4, ACEA E9/E7, MB 228.31, MAN M 3575, MACK EO-O, Renault VI RLD-3, Volvo VDS-4, DDC PGOS 93K218, CAT ECF-3/2/1a, Deutz DQC III-05, MTU Type 2.1, Cummins 20081

TIDAL POWER SCR 10W-40

 Product code **7254**

TIDAL POWER SCR 10W-40 is a fuel conserving super LOW SAPS high performance universal oil designed based on 100% synthetic technology for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and running on low Sulphur Diesel Fuel (max 50 ppm) for use in Euro-4 and Euro-5 engines equipped with Diesel Particle Filter (DPF). This product is also suitable for vehicles equipped with EGR and/or SCR after treatment systems.

TIDAL POWER SCR 10W-40 is formulated on high quality refined synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals up to 150.000 km.
- Suitable for engines equipped with a Diesel Particle Filter
- Fuel conserving

Approved MB-Approval 228.51, MAN M 3477, Volvo VDS-3, Renaults RLD-2

Exceeds ACEA E6/E7, Deutz DQC-III-05, MTU Type 3.1, MAN M 3271

TIDAL POWER HDX 10W-40

 Product code **7255**

TIDAL POWER HDX 10W-40 is an extra high performance universal semi synthetic engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

TIDAL POWER HDX 10W-40 is formulated with high refined solvent mineral and synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

Approved MB-Approval 228.3, MAN M 3275, Volvo VDS-3, Renault RLD-2, Mack EO-N

Exceeds API CI-4, ACEA E7, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, Allison C4, MTU Type 2, Mack EO-M+, Cummins CES 20077/20078, DAF HP-2

TIDAL POWER HDX 15W-40

 Product code **7256**

TIDAL POWER HDX 15W-40 is an extra high performance universal engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

TIDAL POWER HDX 15W-40 is formulated with high refined solvent mineral stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

Approved MB-Approval 228.3, MAN M 3275, Volvo VDS-3, Renault RLD-2, Mack EO-N

Exceeds API CI-4, ACEA E7, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, Allison C4, MTU Type 2, Mack EO-M+, Cummins CES 20077/20078, DAF HP-2



TIDAL POWER HDL 10W-40

 Product code **7257**

TIDAL POWER HDL 10W-40 is an high performance universal semi synthetic oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and is formulated for use in Euro-1, Euro-2 and Euro-35 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

TIDAL POWER HDL 10W-40 is formulated on high refined solvent mineral and synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Not suitable for engine equipped with a Diesel Particle Filter (DPF).

Exceeds API CH-4/CF, ACEA E2 (level), MB 228.3, MAN M 3275, Volvo VDS-2, MTU Type 2, Mack EO-L, Allison C-4

TIDAL POWER HDL 10W-30

 Product code **7259**

TIDAL POWER HDL 10W-30 is an high performance universal semi synthetic oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and is formulated for use in Euro-1, Euro-2 and Euro-3 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

TIDAL POWER HDL 10W-30 is formulated on high refined solvent mineral and synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Not suitable for engine equipped with a Diesel Particle Filter (DPF).

Exceeds API CH-4/CF, ACEA E2 (level), MB 228.3, MAN M 3275, Volvo VDS-2, MTU Type 2, Mack EO-L, Allison C-4

TIDAL POWER HD 15W-40

 Product code **7260**

TIDAL POWER HD 15W-40 is a high performance universal mineral engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and is formulated for use in Euro-1, Euro-2 and Euro-3 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

TIDAL POWER HD 15W-40 is formulated on high refined solvent base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Not suitable for engine equipped with a Diesel Particle Filter (DPF).

Approved MB-Approval 228.3, MAN M 3275
Exceeds API CG-4/CF, ACEA E2 (level), Volvo VDS, MTU Type 2, Mack EO-L

TIDAL POWER HD 20W-50

 Product code **7261**

TIDAL POWER HD 20W-50 is a high performance universal mineral engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and is formulated for use in Euro-1, Euro-2 and Euro-3 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

TIDAL POWER HD 20W-50 is formulated on high refined solvent base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Not suitable for engine equipped with a Diesel Particle Filter (DPF).

Exceeds API CG-4/CF, ACEA E2 (level), MB 228.3, MAN M 3275, Volvo VDS, MTU Type 2, Mack EO-L

TIDAL POWER HDX 20W-50

 Product code **7263**

TIDAL POWER HDX 20W-50 is an extra high performance universal engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

TIDAL POWER HDX 20W-50 is formulated with high refined solvent mineral base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals possible.

Exceeds API CI-4, MB 228.3, MAN M 3275, Volvo VDS-3, ACEA E7, Renault RLD-2, Mack EO-N, Allison C4, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, MTU Type 2, Cummins CES 20077/20078, DAF HP-2 Mack EO-M+

TIDAL MONO POWER CF10W, CF20W-20, CF 30, CF 40, CF 50

 Product code **7262 / 64 / 66 / 68 / 70**

TIDAL MONO POWER CF 10W, CF20W-20, CF 30, CF 40, CF 50 is a heavy duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under severe conditions.

TIDAL MONO POWER CF 10W, CF20W-20, CF 30, CF 40, CF 50 is suitable for use in a wide range of on- and off-highway applications where an API CF oil is recommended.

TIDAL MONO POWER CF 10W, CF20W-20, CF 30, CF 40, CF 50 is based on refined virgin base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

Exceeds API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L46152

TIDAL MONO POWER 10, 20, 30, 40, 50

 Product code **7272 / 74 / 76 / 78 / 80**

TIDAL MONO POWER 10, 20, 30, 40, 50 is a high quality single grade mineral oil for older gasoline and diesel engines of passenger cars and light vans under light service conditions. Applicable for turbo-charged diesel engines where an API CB oil is recommended.

TIDAL MONO POWER 10, 20, 30, 40, 50 is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

Exceeds API CB/SB

TIDAL MONO POWER SA 50

 Product code **7284**

TIDAL MONO POWER SA 50 is a single grade mineral oil for older diesel engines of passenger cars and light vans under light service conditions.

TIDAL MONO POWER SA 50 is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- Good thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- Good dispersancy and detergency properties.

Exceeds API SA





TIDAL POWER LA 40

Product code **7287**

TIDAL POWER LA 40 is a Low Ash high performance Heavy Duty Gas Engine Oil specially designed for use in stationary gas engines which run on natural and/or biogas and operate under severe conditions en high temperatures.

TIDAL POWER LA 40 is based on a high quality hydro processed base oils in combination with a special selected additive package to obtain the following properties:

- Excellent thermal-, nitration-, and oxidation stability.
- Reducing of combustion chamber deposits.
- Minimize ring scuffing.
- Protect against corrosive wear.
- Improving engine performance.

Exceeds API CF, Waukesha Cogeneration, Dresser Rand Category III, Jenbacher

TIDAL POWER MA 40

Product code **7288**

TIDAL POWER MA 40 is a Medium Ash high performance Heavy Duty Gas Engine Oil specially designed for use in stationary gas engines which run on natural and/or biogas and operate under severe conditions en high temperatures.

TIDAL POWER MA 40 is based on a high quality hydro processed base oils in combination with a special selected additive package to obtain the following properties:

- Excellent thermal-, nitration-, and oxidation stability.
- Reducing of combustion chamber deposits.
- Minimize ring scuffing.
- Protect against corrosive wear.
- Improving engine performance.

Exceeds API CF, Waukesha Cogeneration, Dresser Rand Category III, Jenbacher

TIDAL POWER LA 30

Product code **7289**

TIDAL POWER LA 30 is a Low Ash high performance Heavy Duty Gas Engine Oil specially designed for use in stationary gas engines which run on natural and/or biogas and operate under severe conditions en high temperatures.

TIDAL POWER LA 30 is based on a high quality hydro processed base oils in combination with a special selected additive package to obtain the following properties:

- Excellent thermal-, nitration-, and oxidation stability.
- Reducing of combustion chamber deposits.
- Minimize ring scuffing.
- Protect against corrosive wear.
- Improving engine performance.

Exceeds API CF, Waukesha Cogeneration, Dresser Rand Category III, Jenbacher



NORTH SEA
LUBRICANTS

TIDAL POWER





STREAM POWER OTB 4T

Product code **7291**

STREAM POWER OTB 4T is a premium 4-stroke engine oil specially designed for the most modern high output gasoline power, water cooled outboard / inboard and personal watercraft engines. It is specially developed to exceed the performance requirements of National Marine Manufacturers Association's specification NMMA FC-W® (Four Cycle-Water specification). STREAM POWER OTB 4T is based on a high quality hydro processed base oils in combination with a special selected additive package to obtain the following properties:

- Exceptional shear stability.
- Advanced rust inhibitors guard against rust & corrosion even in marine salt water environment.

- Good Low temperature fluidity assists easy cold start.
- Active cleaning agents provide superior engine cleanliness

STREAM POWER OTB 4T is recommended for:

- Outboard Motors: Honda, Mercury, Yamaha, Johnson/ Evinrude, Bombardier/BRP, Suzuki, Nissan, Tohatsu.
- Inboard/Outboard Motors: Mercruiser, Volvo Penta, OMC, Chrysler Marine, Crusader, Marine Power, Chevrolet, Ford.
- Personal Watercraft: Honda, Yamaha, Bombardier/BRP (Sea-Doo , Polaris).

Exceeds NMMA-FC-W

STREAM POWER 2T

Product code **7292**

STREAM POWER 2T is a high quality lubricant suitable for use in air cooled 2-stroke gasoline engines deployed in variety of applications.

STREAM POWER 2T is based on a high quality virgin base oils in combination with a special selected additive package to obtain the following properties:

- Excellent lubricity protects against piston scuffing and premature wear of engine components
- Proven additive technology controls engine and exhaust system deposits
- Low ash formula prevents pre-ignition and spark plug fouling
- Easy miscibility with gasoline ensures stable homogeneous mixture even at low ambient temperatures.

Exceeds API TC, JASO FB

STREAM POWER 4T 10W-50

Product code **7293**

STREAM POWER 4T 10W-50 is a semi synthetic 4-stroke gasoline engine oil developed specifically to meet the special requirements of latest high performance air cooled 4-stroke motorcycles. It provides excellent protection to engine, gearbox and wet clutch used in 4-stroke motorcycles and ensures highest degree of reliability even under severe operating conditions and temperatures. STREAM POWER 4T 10W-50 is based on a high quality mineral and synthetic base oils in combination with a special selected additive package to obtain the following properties:

- Outstanding thermo-oxidative stability.
- Exceptional antiwear, antirust and anticorrosion properties.

- Controlled frictional properties eliminate clutch slippage.
- Increased power/ fuel economy and improves drivability.
- Excellent dispersancy and detergency properties.
- Excellent shear stability maintains viscosity under high temperature-high shear environment.
- Provides improved wear protection.
- Outstanding low temperature properties enable easy starting at low ambient temperatures.
- Ensure effective lubrication and wear protection at start up.
- Low volatility characteristics reduce oil consumption and hydrocarbon pollution.

Exceeds API SL, JASO MA

STREAM POWER 2T EXTRA

Product code **7294**

STREAM POWER 2T EXTRA is a high quality semi-synthetic lubricant specially developed for high powered 2-stroke air cooled gasoline engines fitted with oil-injection or premix systems.

STREAM POWER 2T EXTRA is based on a high quality virgin and synthetic base oils in combination with a special selected additive package to obtain the following properties:

- Outstanding protection against piston scuffing and premature wear of engine components.
- Excellent control against engine deposits, exhaust system blocking.

- Extended engine life without power loss.
- Low ash additive technology prevents pre-ignition and spark plug fouling.
- Specially selected synthetic base fluid reduces visible exhaust smoke.
- Easy miscibility with gasoline ensures stable homogeneous mixture even at low ambient temperatures.

Exceeds API TC, JASO FD, ISO-LEGD

STREAM POWER SYN 2T

Product code **7295**

STREAM POWER SYN 2T is a supreme performance synthetic lubricant specially developed for high output air cooled 2-stroke motorcycles and scooters operating under severe conditions.

STREAM POWER SYN 2T is based on a high quality synthetic base oils in combination with a special selected additive package to obtain the following properties:

- Exceptional protection against piston scuffing and wear of engine components.
- Exceptional control against engine deposits, exhaust system blocking.

- Extended engine life without power loss .
- Specially selected synthetic base fluid reduces visible exhaust smoke .
- Low ash additive technology prevents pre-ignition and spark plug .
- Easy miscibility with gasoline ensure stable homogeneous mixture even at low ambient temperatures.

Exceeds API TC, JASO FD, ISO-LEGD

STREAM POWER OTB 2T

Product code **7296**

STREAM POWER OTB 2T is biodegradable, synthetic, high flash, ashless, 2-stroke engine oil developed to meet the most critical requirements of the latest outboard and snow mobile engines. It exceeds the stringent performance requirements of the latest National Marine Manufacturers Association's specification NMMA TC-W3®.

STREAM POWER OTB 2T is based on a high quality special base oils in combination with a special selected additive package to obtain the following properties:

- Protect the piston from scuffing, ensuring cleaner engines.

- Minimizing combustion chamber deposits with negligible port clogging.
- The special ashless detergents protect against piston ring sticking, spark plug fouling and preignition
- Special rust inhibitors guard against the formation of rust & corrosion even in marine salt water environment
- Biodegradable to protect the aquatic life
- Ensures easy mixing and forms stable mixtures with gasoline even at low ambient temperatures.

Exceeds NMMA TC-W3

STREAM POWER 4T EXTRA

Product code **7298**

STREAM POWER 4T EXTRA is a 4-stroke gasoline engine oil developed specifically to meet the special requirements of latest high performance air cooled 4-stroke motorcycles. It provides excellent protection to engine, gearbox and wet clutch used in 4-stroke motorcycles and ensures highest degree of reliability even under severe operating conditions and temperatures. STREAM POWER 4T EXTRA is based on a high quality synthetic base oils in combination with a special selected additive package to obtain the following properties:

- Outstanding thermo-oxidative stability.
- Exceptional antiwear, antirust and anticorrosion properties.

- Controlled frictional properties eliminate clutch slippage.
- Increased power/ fuel economy and improves drivability.
- Excellent dispersancy and detergency properties.
- Excellent shear stability maintains viscosity under high temperature-high shear environment and provides improved wear protection.
- Outstanding low temperature properties enable easy starting at low ambient temperatures and ensure effective lubrication and wear protection at start up.
- Low volatility characteristics reduce oil consumption and hydrocarbon pollution.

Exceeds JASO MA2, API SL

STREAM POWER 4T

Product code **7299**

STREAM POWER 4T is a semi-synthetic, 4-stroke gasoline engine oil developed specifically to meet the special requirements of latest high performance air cooled 4-stroke motorcycles. It provides excellent protection to engine, gearbox and wet clutch used in 4-stroke motorcycles and ensures highest degree of reliability even under severe operating conditions and temperatures.

STREAM POWER 4T is based on a high quality synthetic base oils in combination with a special selected additive package to obtain the following properties:

- Excellent antiwear, antirust and anticorrosion properties.
- Good thermo-and oxidative.
- Controlled frictional properties eliminate clutch slippage and improves drivability
- Excellent dispersant and detergent properties

Exceeds: JASO MA, API SL



AUTOGEAR POWER GL 140

Product code **7301**

AUTOGEAR POWER GL 140 is an oil for lubricating older gearboxes and rear axles which not require EP properties.

AUTOGEAR POWER GL 140 is based on a high quality virgin mineral base stocks.

- Good resistance against oxidation.
- Good resistance against formation of foam and sludge.
- Use where an uninhibited lubricant is prescribed.

Exceeds API GL-1, MIL-L-2105

AUTOGEAR POWER EP 80W-90

Product code **7302**

AUTOGEAR POWER EP 80W-90 is a high performance gear lubricant designed to provide effective lubrication in a wide range of automotive transmissions and axle drives where API GL-4 quality oils are specified.

AUTOGEAR POWER EP 80W-90 is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- Good Extreme Pressure and Antiwear properties.
- High thermal- and oxidation stability.
- Effective rust, wear and corrosion protection.
- Better low temperature provides easy start-up at low ambient temperatures.
- Good anti-foam properties ensure film strength for effective lubrication.
- Excellent seal compatibility.

Exceeds API GL-4, MIL-L-2105

AUTOGEAR POWER EP 85W-140

Product code **7304**

AUTOGEAR POWER EP 85W-140 is a high performance gear lubricant designed to provide effective lubrication in a wide range of automotive transmissions and axle drives where API GL-4 quality oils are specified.

AUTOGEAR POWER EP 85W-140 is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- Good Extreme Pressure and Antiwear properties.
- High thermal- and oxidation stability.
- Effective rust, wear and corrosion protection.
- Better low temperature provides easy start-up at low ambient temperatures.
- Good anti-foam properties ensure film strength for effective lubrication.
- Excellent seal compatibility.

Exceeds API GL-4, MIL-L-2105

AUTOGEAR POWER MP 80W-90 / MP 85W-140

Product code **7306 / 7308**

AUTOGEAR POWER MP 80W-90 / MP 85W-140 is a high performance gear lubricant designed to provide excellent lubrication in a wide range of automotive transmissions, axles and final drives.

AUTOGEAR POWER MP 80W-90 / MP 85W-140 is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- Good Extreme Pressure and Antiwear properties.
- High thermal- and oxidation stability.
- Effective rust, wear and corrosion protection.
- Better low temperature provides easy start-up at low ambient temperatures.
- Good anti-foam properties ensure film strength for effective lubrication.
- Excellent seal compatibility.

Exceeds API GL-5, MIL-L-2105D, MAN 342 M2 ZF TE-ML 05A, 07A, 12E, 16B/C/D, 17B, 19B, 21A

AUTOGEAR POWER MP 85W-90

Product code **7307**

AUTOGEAR POWER MP 85W-90 is a high performance gear lubricant for use in heavy duty manual transmissions and axle drives of commercial vehicles and passenger cars.

AUTOGEAR POWER MP 85W-90 is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- Good Extreme Pressure and Antiwear properties.
- High thermal- and oxidation stability.
- Effective rust, wear and corrosion protection.
- Better low temperature provides easy start-up at low ambient temperatures.
- Good anti-foam properties ensure film strength for effective lubrication.
- Excellent seal compatibility.

Exceeds API GL-5, MIL-L-2105D, MB 235.6, ZF TE-ML 17B, 19B, 21A, ZF TE-ML 16C

AUTOGEAR POWER SYN 75W-90

Product code **7310**

AUTOGEAR POWER SYN 75W-90 is a high quality fuel conserving fully synthetic total driveline gear lubricants designed to meet the demanding requirements of light duty and heavy duty commercial vehicles and off-highway equipment operating in most severe operating conditions. Unique additive technology allows the use of a single lubricant in rear axles, synchronized and non-synchronized manual transmission.

AUTOGEAR POWER SYN 75W-90 is based on high quality synthetic base oil in combination with a special additive package to ensure the following properties:

- Exceptional thermo-oxidative stability.
- Exceptional load bearing characteristics.
- Effective rust and corrosion protection.
- Outstanding low temperature fluidity provides smoother shifting at low ambient temperatures.
- Superior frictional properties provide improved fuel economy and smoother shiftability

Exceeds API GL-4/5, MT-1, MAN M3343S, MIL-PRF-2105E, Scania STO 1:0, MB 235.0, ZF TE-ML 02B/05A/07A/12E/16B/16C/16D/17B/19B/21A, SAE J2360, MACK GO-J, MAN 341 E2

AUTOGEAR POWER LS 80W-90

Product code **7312**

AUTOGEAR POWER LS 80W-90 is an extra high performance extreme pressure type automotive gear lubricant specially developed for use in modern high performance passenger cars, sports utility vehicles, vans and light duty trucks with limited slip differentials.

AUTOGEAR POWER LS 80W-90 is based on high quality mineral virgin base oil in combination with a special additive package to ensure the following properties:

- Effective rust and corrosion protection.
- Excellent limited slip performance to reduce chatter and improves traction.
- Outstanding low temperature fluidity provides smoother shifting at low ambient temperatures.
- Exceptional shear stable.
- Good frictional properties provide improved fuel economy and smoother shift ability

Exceeds: API GL 5, MIL PRF 2105D, MAN 342 M1/M2, MB 235.0, Volvo 97310, DAF, Renault, Arvin Meritor, ZF TE-ML 05C, 12C, 16E, 21C

GEAR POWER TO-4 10W

Product code **7316**

GEAR POWER TO-4 10W is specifically designed for powershift transmissions, final drives and wet brakes on heavy duty off-highway equipment used in earthmoving, mining logging, road transport and agricultural applications.

GEAR POWER TO-4 10W is formulated with high refined solvent mineral base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals possible.

Exceeds Caterpillar TO-4, Komatsu KES 07.868.1, Allison C4, API CF-2/CF, ZF TE-ML 03



GEAR POWER TO-4 30

 Product code **7314**

GEAR POWER TO-4 30 is specifically designed for powershift transmissions, final drives and wet brakes on heavy duty off-highway equipment used in earthmoving, mining logging, road transport and agricultural applications.

GEAR POWER TO-4 30 is formulated with high refined solvent mineral base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals possible.

Exceeds: Caterpillar TO-4, Komatsu KES 07.868.1, Allison C4, API CF-2/CF, ZF TE-ML 03

GEAR POWER TO-4 50

 Product code **7315**

GEAR POWER TO-4 50 is specifically designed for powershift transmissions, final drives and wet brakes on heavy duty off-highway equipment used in earthmoving, mining logging, road transport and agricultural applications.

GEAR POWER TO-4 50 is formulated with high refined solvent mineral base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals possible.

Exceeds: Caterpillar TO-4, Komatsu KES 07.868.1, Allison C4, API CF-2/CF, ZF TE-ML 03

AUTOGEAR POWER TX 75W-80

 Product code **7333**

AUTOGEAR POWER TX 75W-80 is a high quality fuel saving synthetic thermally stable long life gear lubricant designed for passenger- and commercial vehicles using manual transmissions fitted with different synchronizers including latest ones based on carbon.

AUTOGEAR POWER TX 75W-80 is based on high quality synthetic base oil in combination with a special additive package to ensure the following properties:

- Exceptional thermo-oxidative stability.
- Superior lubricating properties provide improved fuel economy.

- Exceptional load bearing characteristics.
- Effective rust and corrosion protection.
- Outstanding low temperature fluidity provides smoother shifting at low ambient temperatures.
- Good gear engagement with a variety of synchronizer materials including latest carbon.
- Good frictional properties provide improved fuel economy and smoother shift ability

Exceeds: API GL-5, MB 235.4, Volvo 97305, MAN 341 E3, MAN 341 Z4, Iveco, Renault B0032/2, Eaton Europe, ZF TE-ML 01L, 02L, 08, 16K

AUTOGEAR POWER SYN 75W-85

 Product code **7334**

AUTOGEAR POWER SYN 75W-85 is an universal high performance fuel saving transmission on synthetic technology for use in manual shifted transmission of the modern passenger car and light vans where an API GL-5, SAE 75W-85 is recommended.

AUTOGEAR POWER SYN 75W-85 is based on special selected high performance synthetic base oil in combination with a special selected EP-additive package to reach to following properties:

- Excellent EP-properties.
- Excellent thermal- and oxidation stability
- Good shifting even at low temperatures.
- Low Pour Point.
- Fuel saving properties.
- Excellent protection against the forming of foam, corrosion and wear.

Exceeds: API GL-5, MB 235.7, ZF TE-ML 18, VW G 052 190, VW G 055 190, Alfa Romeo, BMW, Fiat, Lancia

ATF POWER MBF

 Product code **7318**

ATF POWER MBF is a high quality fuel saving fully synthetic automatic transmission oil special developed for the last generation MB (NAG-2) 7-speeds automatic transmissions.

ATF POWER MBF is backwards compatible to automatic transmissions where a MB 236.12 specification is recommended.

ATF POWER MBF is based on special selected high performance synthetic base oil in combination with a special selected EP-additive package to reach to following properties:

- Excellent thermal- and oxidation stability.
- Excellent low temperature properties.
- Good shifting even at low temperatures.
- High viscosity index.
- Excellent shifting even after long use.
- Extended drain interval possible.
- Fuel saving properties.
- Excellent protection against the forming of foam, corrosion and wear.

Exceeds: MB 236.14, Ssang Yong

ATF POWER DX II

 Product code **7320**

ATF POWER DX II is an automatic transmission fluid for automatic transmissions in older vehicles specifying use of DEXRON® II D quality fluids.

ATF POWER DX II is also recommended for certain power steering units, manual transmission and hydraulic systems where such type of fluids are required.

ATF POWER DX II is based on special selected high performance mineral virgin base oil in combination with a special selected EP-additive package to reach to following properties:

- Good thermo-and oxidation.
- Controlled frictional characteristics for a smooth shifts in a variety of driving conditions.
- Improved antiwear, antirust and anticorrosion technology.
- High Viscosity index ensures adequate lubrication in both high operating & low starting temperatures.
- Better foam control leads to smooth & lasting shift feel and reduces fluid loss.
- Enhanced Low temperature fluidity assist in good cold start performance.
- Compatibility with all common seal materials.

Exceeds: DEXRON® II D

ATF POWER DX III

 Product code **7322**

ATF POWER DX III is a high quality automatic transmission fluid for all General Motor and Ford automatic transmissions in vehicles specifying use of DEXRON® III quality fluids.

ATF POWER DX III is also recommended other passenger cars, light vans, commercial vehicles, power steering units, manual transmission and hydraulic systems where DEXRON® III quality is required.

ATF POWER DX III is based on special selected high performance mineral virgin base oil in combination with a special selected EP-additive package to reach to following properties:

- Good thermo-and oxidation.
- Controlled frictional characteristics for a smooth shifts in a variety of driving conditions.
- Improved antiwear, antirust and anticorrosion technology.
- High Viscosity index ensures adequate lubrication in both high operating & low starting temperatures.
- Better foam control leads to smooth & lasting shift feel and reduces fluid loss.
- Enhanced Low temperature fluidity assist in good cold start performance.
- Compatibility with all common seal materials.

Exceeds: DEXRON® III G, Ford Mercon®

ATF POWER DX VI

 Product code **7324**

ATF POWER DX VI is a supreme performance long life automatic transmission fluid specially developed for all 2006 and beyond General Motors vehicles equipped with Hydramatic automatic transmissions. ATF POWER DX VI is also recommended for automatic transmission of passenger cars and light vans requiring DEXRON® III(G&H), DEXRON® IID and DEXRON® IIE fluids. ATF POWER DX VI is based on exceptional quality synthetic base oil in combination with a special selected EP-additive package to reach to following properties:

- Controlled frictional characteristics for a smooth shifts in a variety of driving conditions.

- Extended drain interval possible.
- Excellent antiwear, antirust and anticorrosion technology.
- High Viscosity index ensures adequate lubrication in both high operating & low starting temperatures.
- Better foam control leads to smooth & lasting shift feel and reduces fluid loss.
- Enhanced Low temperature fluidity assist in good cold start performance.
- Compatibility with all common seal materials.

Exceeds: DEXRON® VI



ATF POWER DSG

Product code 7416

ATF POWER DSG is a high performance full synthetic long life ATF specially designed for use in the last generation DCT (Double Coupling Transmission) transmission of the VAG group and are characterized for fast and sportive shifting.

ATF POWER DSG is based on fully synthetic base in combination with an unique additive package to ensure the following properties:

- Excellent thermo- and oxidation stability.
- Excellent lubrication, even under extreme conditions.
- Very high protection against wear, corrosion and foam.
- High "shear stable".
- Very low Pour point, can be used by very cold temperatures.
- High Viscosity Index.

Exceeds VW TL 521 82, BMW EU 83 22 2 148 578 , BMW EU 83 22 2 148 579

ATF POWER LG6

Product code 7417

ATF POWER LG6 is a high performance full synthetic long life ATF specially designed For all 6-speeds automatic transmissions developed by ZF where a constructor requires a M.1375-4 specification.

ATF POWER LG6 is based on fully synthetic base in combination with an unique additive package to ensure the following properties:

- Excellent thermo- and oxidation stability.
- Excellent lubrication, even under extreme conditions.
- Very high protection against wear, corrosion and foam.
- High "shear stable".
- Very low Pour point, can be used by very cold temperatures.
- High Viscosity Index.

Exceeds M.1375-4, VW G 055 005, Toyota Type WS Nissan Matic S, Hyundai SP-IV, Mercon LV, Dexron VI

ATF POWER MV

Product code 7323

ATF POWER MV is a high quality synthetic fluid specially designed with advanced multi-vehicle additive technology to serve a broad range of. ATF POWER MV exceeds the complex requirements of Automatic Transmission/ Vehicle Manufacturers of Europe, North America and Asia including the JASO 1-A performance standard created by Japanese Automobile Manufacturers Association. Remark: Not suitable for use in Continuously Variable Transmissions (CVT), Dual Clutch Transmission (DCT), Daimler MB 7 speed (NAG 2), ZF 6 Speed

ATF POWER MV is formulated with high quality synthetic base stocks in combination with a special additive technology to achieve the following performance:

- Excellent thermo- and oxidation stability.
- Excellent anti-corrosion, foam inhibition and seal protection.

Exceeds: Dexron IIG/H, Allison C4, Cat TO-2, Honda ATF Z1, MAN 339 Z1/V1, Mercon V, Mitsubishi SP-II/III, Nissan Matic D/J, Toyota T-II/III/IV, Voith H55.6335xx, Volvo 97340, JASO M315 1A, Toyota WS, JWS 3309/3314, VW G052 025, VW G052 162, LT 71141, Chrysler ATF +4, MB 236.10, Dexron IIE, TES 295, Chrysler +4, Honda SP-III/Z1, Texaco N402, MB 236.10/236.11, Volvo Std 1273.41, VW G 052 990, ZF TE-ML 03D, ZF TE-ML 03D, 04D, 14A, 14B, 17C, MAN Z1/V2

ATF POWER CVT

Product code 7325

ATF POWER CVT is an ultra high performance transmission oil formulated with selected base stocks and specially recommended for use in the latest generations of Continuously Variable Transmission (CVT) - gearboxes which transfer traction via steel-made traction chains or push-belts.

ATF POWER CVT is based on exceptional quality synthetic base oil in combination with a special selected EP-additive package to reach to following properties:

- Good thermo-and oxidation.
- To be used in Audi Multitronic and Mercedes Benz Autotronic.

- Extended drain interval possible.
- Excellent antiwear, anti-rust and anticorrosion technology.
- High Viscosity index ensures adequate lubrication in both high operating & low starting temperatures.
- Better foam control leads to smooth & lasting shift feel and reduces fluid loss.
- Enhanced Low temperature fluidity assist in good cold start performance.
- Compatibility with all common seal materials.

Exceeds MB 236.20, Ford WSS-M2C928A, BMW 83 22 0 136 376 / 83 22 0 429 154, VW G 052 180

SUPER TRACTOR POWER 10W-40

Product code 7326

SUPER TRACTOR POWER 10W-40 is a semi synthetic multifunctional tractor lubricants designed for use in a wide variety of modern farm equipment. These high performance STOU oils are suitable for use in diesel/gasoline engines, conventional gear drives, powershift transmissions, hydrostatic transmissions, hydraulics, final drives, power steering systems and oil immersed brakes operating in agricultural services. SUPER TRACTOR POWER 10W-40 is based on high quality virgin mineral base and synthetic oil in combination with an unique additive package to ensure the following properties:

- Multifunctional capability of these oils makes them suitable for most lubricant applications in farm equipment and reduces inventory and chances of misapplication.

- Good thermo-oxidative stability and effective detergency/dispersancy controls sludge build-up and deposits leading to cleaner engines.
- Good low temperature property ensures less wear and improved hydraulic response at cold start-up.

Engine STOU API CG-4/CF-4/CE/SF, MB 228.1, ACEA E3 Ford M2C159B, NH 82009201,2,3, MF, M1139/1144/1145, JD J27, ZF TE-ML 06B, 06C, 07B UTTO JD J20C, J20D, Ford M2C86B,C, Ford M2C134D, MS-1204/6/7/9, MF 1135/1143/1145, Cat TO-2, API GL-4, Allison C4 Hydraulic Vickers M-2950-S, Vickers I-280-S, Danfoss

SUPER TRACTOR POWER 10W-30 / 15W-40

Product code 7327 / 7329

SUPER TRACTOR POWER 10W-30 / 15W-40 is a multifunctional tractor lubricants designed for use in a wide variety of modern farm equipment. These high performance STOU oils are suitable for use in diesel/gasoline engines, conventional gear drives, powershift transmissions, hydrostatic transmissions, hydraulics, final drives, power steering systems and oil immersed brakes operating in agricultural services. SUPER TRACTOR POWER 10W-30 / 15W-40 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Multifunctional capability of these oils makes them suitable for most lubricant applications in farm equipment and reduces inventory and chances of misapplication.

- Good thermo-oxidative stability and effective detergency/dispersancy controls sludge build-up and deposits leading to cleaner engines.

Engine STOU API CF-4/CE/SF, MB 227.1, ACEA E3 Ford M2C159B, NH 82009201,2,3, MF, M1139/1144, JD J27C, ZF TE-ML 06B/07B UTTO JD J20C, J20D, Ford M2C86B,C, Ford M2C134D, MS-1204/6/7/9, MF 1135/1143/1145, Cat TO-2, API GL-4, Allison C4 Hydraulic Vickers M-2950-S, Vickers I-280-S, Danfoss

UNIVERSAL TRACTOR POWER 85W / 80W

Product code 7331 / 7332

UNIVERSAL TRACTOR POWER 85W/80W is a high performance fluids for use in transmissions, hydraulic systems, oil immersed brakes of tractors and off-road equipment. These fluids are specially designed for use where a common lubricant reservoir serves transmissions, final drives and hydraulic systems and to optimize the performance of agricultural and commercial tractors. UNIVERSAL TRACTOR POWER 85W/80W is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Enhanced frictional properties optimize clutch performance and ensure noise free operation of wet brakes

- High viscosity index coupled with high shear stability provides consistent performance
- Excellent low temperature fluidity provides good response and effective lubrication at low ambient temperatures
- Robust anti-wear and extreme pressure properties control wear, extend equipment life and reduce maintenance costs
- Multipurpose capability reduces inventory and prevents accidental contamination and misapplication

Exceeds: API GL-4, NH Mat 3525/3526, JD J20C, Volvo WB 101, ZF TE-ML 03E/05E, MF 1135/1143/1145

MILKING MACHINE POWER 68

Product code 7335

MILKING MACHINE POWER 68 is a high performance anti-wear hydraulic oils developed for high pressure hydraulic systems operating under moderate to severe conditions in mobile and industrial service. MILKING MACHINE OIL 68 should NOT be permitted to come into contact with milk. No incidental food contact.

MILKING MACHINE POWER 68 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo-oxidative.

- Exceptional anti-wear property results in longer pump and component life.
- Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions.
- Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture.
- Rapid air release property minimizes chances of pump cavitation leading to trouble free operations.
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems.

Exceeds: DIN 51524 Part 3



NORTH SEA
LUBRICANTS



WAVE POWER



INDUSTRIAL GEAR POWER 68 / 100 / 150

Product code **7425 / 7370 / 7372**

INDUSTRIAL GEAR POWER 68/100/150 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

INDUSTRIAL GEAR POWER 68/100/150 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.

- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

Exceeds DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101

INDUSTRIAL GEAR POWER 220 / 320

Product code **7374 / 7376**

INDUSTRIAL GEAR POWER 220/320 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

INDUSTRIAL GEAR POWER 220/320 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.

- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

Exceeds DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101

INDUSTRIAL GEAR POWER 460 / 680

Product code **7378 / 7380**

INDUSTRIAL GEAR POWER 460/680 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

INDUSTRIAL GEAR POWER 460/680 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.

- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

Exceeds DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101

BRAKE FLUID DOT 4

Product code **7392**

BRAKE FLUID DOT 4 is a high performance poly glycol based brake fluid specially designed for use in disc, drum & Anti-locking Brake Systems (ABS) of any commercial vehicles, passenger cars and motorcycles operating under moderate to severe conditions and requiring a DOT 4 type of fluid.

BRAKE FLUID DOT 4 should never be used in place of or mixed with silicone based brake fluids (DOT 5) nor should be used where DOT 5.1 fluids are prescribed.

BRAKE FLUID DOT 4 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Superior oxidative stability resists oxidation at high temperatures encountered in disk braking systems.
- Superior high temperature stability and low temperature fluidity ensure trouble free operation.
- Effective corrosion inhibitors provide long term corrosion protection to the metallic components of the brake systems.
- Provides lubricity and system protection.
- Compatible with all seals and metals used in conventional braking systems requiring poly glycol brake fluids.

Exceeds FMVSS 116 DOT 4, SAE J 1703, ISO 4925

BRAKE FLUID DOT 3

Product code **7450**

BRAKE FLUID DOT 3 is a poly glycol based brake fluid designed for use in hydraulic brake system of any commercial vehicles, passenger cars and motorcycles operating under moderate service conditions and requiring a DOT 3 type of fluid.

BRAKE FLUID DOT 3 should never be used in place of or mixed with silicone based brake fluids (DOT 5) nor should be used where DOT 5.1 fluids are prescribed.

BRAKE FLUID DOT 3 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Superior oxidative stability resists oxidation at high temperatures encountered in disk braking systems.
- Superior high temperature stability and low temperature fluidity ensure trouble free operation.
- Effective corrosion inhibitors provide long term corrosion protection to the metallic components of the brake systems.
- Provides lubricity and system protection.
- Compatible with all seals and metals used in conventional braking systems requiring poly glycol brake fluids.

Exceeds FMVSS 116 DOT 3, SAE J 1703, ISO 4925





GLACIER ANTIFREEZE

Product code **7394**

GLACIER ANTIFREEZE is a silicate contains, amine-, nitrites- and phosphates free antifreeze concentrate providing frost and corrosion protection. For the perfect operation of water-cooled internal combustion engines

GLACIER ANTIFREEZE may not been used undiluted in a combustion engine.

GLACIER ANTIFREEZE is based Mono Ethylene Glycol in combination with a powerful additive technology to obtain the following benefits:

- Corrosion protection, also for non-ferro metals.
- Frost protection.
- Boling protection.
- Seal compatibility.
- Hard water stability
- Miscibility.

Exceeds BS 6580, AFNOR 15-601, ASTM D-3306, SAE J 1034, CUNANC 956-16

GLACIER ANTIFREEZE XL

Product code **7395**

GLACIER ANTIFREEZE XL is a Long Life silicate-containing nitrites, amines and phosphate free antifreeze in ethylene glycol to be used as a cooling and heat transferring fluid in combustion engines.

GLACIER ANTIFREEZE XL may not been used undiluted in a combustion engine.

GLACIER ANTIFREEZE XL is based on ethylene glycol in combination with a power full additive technology to obtain the following properties:

- Efficient and long lasting corrosion protection.
- Maintenance-free operation against freezing and boiling.
- Extended coolant life.
- Excellent seal compatibility.

Exceeds VW TL 774C, MB 325.0, FIAT 9.55523, IVECO 18-1830, Ford ESD M97B49, GM GME L 1301, GM 6901599, MAN 324 NF, MTU MTL 5048, Volvo Construction, BS 6580, JASO M325

GLACIER ANTIFREEZE G12+

Product code **7385**

GLACIER ANTIFREEZE G12+ is a long life silicate-, amine-, nitrite- and phosphates free antifreeze based on Organic Acid Technology (OAT) technology in ethylene glycol to be used as a cooling and heat transferring fluid in combustion engines.

GLACIER ANTIFREEZE G12+ may not been used undiluted in a combustion engine.

GLACIER ANTIFREEZE G12+ is based on ethylene glycol and in combination of a patent silicate free aliphatic additive technology to obtain the following properties:

- Extended life.
- Environmentally friendly.
- Improved heat transfer.
- Excellent cavitation protection.
- Improved hard water stability.
- Excellent corrosion protection for aluminum heat transfer surfaces.
- Reliability
- Reduces repairs.
- Suitable for mixed fleets

Exceeds VAG TL 774D/F, MB 325.3, MAN 324 SNF, GM 6277M, Ford WSS-M97B44D, Cummins IS Series, Detroit Diesel, Deutz/MWM, Hitachi, Liebherr MD1-36, MTU 5048, Renault/Nissan, Volvo, Thermo King

GLACIER ANTIFREEZE G12++

Product code **7412**

GLACIER ANTIFREEZE G12++ is a long life silicate containing amine-, nitrite- and phosphates free antifreeze based on Organic Acid Technology (OAT) technology in ethylene glycol to be used as a cooling and heat transferring fluid in the latest generation VAG, MB and MAN combustion engines.

GLACIER ANTIFREEZE G12++ may not been used undiluted in a combustion engine.

GLACIER ANTIFREEZE G12++ is based on ethylene glycol and in combination Lobird additive technology to obtain the following properties:

- Extended life.
- Environmentally friendly.
- Reliability
- Excellent corrosion protection for aluminum heat transfer surfaces.
- Excellent cavitation protection.
- Improved.

Exceeds VAG TL 774G, MB 326.5, MAN 324 SI-OAT

GLACIER COOLANT RTU 40

Product code **7396**

GLACIER COOLANT RTU 40 is a silicate contains, amine-, nitrites- and phosphates free ready to use coolant providing frost and corrosion protection. For the perfect operation of water-cooled internal combustion engines

GLACIER COOLANT RTU 40 is based Mono Ethylene Glycol in combination with a powerful additive technology to obtain the following benefits:

- Corrosion protection, also for non-ferro metals.
- Frost protection.
- Boling protection.
- Seal compatibility.
- Hard water stability
- Miscibility.

Exceeds BS 6580, AFNOR 15-601, ASTM D-3306, SAE J 1034, CUNANC 956-16

GLACIER COOLANT RTU G12+

Product code **7397**

GLACIER COOLANT RTU G12+ is a long life silicate-, amine-, nitrite- and phosphates free ready to use coolant based on Organic Acid Technology (OAT) technology in ethylene glycol to be used as a cooling and heat transferring fluid in combustion engines.

GLACIER COOLANT RTU G12+ is based on ethylene glycol and in combination of a patent silicate free aliphatic additive technology to obtain the following properties:

- Extended life.
- Environmentally friendly.
- Improved heat transfer.
- Excellent cavitation protection.
- Improved hard water stability.
- Excellent corrosion protection for aluminum heat transfer surfaces.
- Reliability
- Reduces repairs.
- Suitable for mixed fleets

Exceeds VAG TL 774D/F, MB 325.3, MAN 324 SNF, GM 6277M, Ford WSS-M97B44D, Cummins IS Series, Detroit Diesel, Deutz/MWM, Hitachi, Liebherr MD1-36, MTU 5048, Renault/Nissan, Volvo, Thermo King

GLACIER COOLANT RTU G12++

Product code **7413**

GLACIER COOLANT RTU G12++ is a long life silicate containing amine-, nitrite- and phosphates free ready to use coolant based on Organic Acid Technology (OAT) technology in ethylene glycol to be used as a cooling and heat transferring fluid in the latest generation VAG, MB and MAN combustion engines.

GLACIER COOLANT RTU G12++ is based on ethylene glycol and in combination Lobird additive technology to obtain the following properties:

- Extended life.
- Environmentally friendly.
- Reliability
- Excellent corrosion protection for aluminum heat transfer surfaces.
- Excellent cavitation protection.
- Improved.

Exceeds VAG TL 774G, MB 326.5, MAN 324 SI-OAT





LUNA GREASE EP 00

Product code **7398**

LUNA GREASE EP 00 is a high quality multipurpose lithium thickened EP grease suited for automotive and industrial applications. The consistency EP-00 makes it suitable for use in centralized lubrication systems.

- Good mechanical stability.
- High load carrying capacity.
- Good corrosion protection.
- Easy to pump at low temperatures

LUNA GREASE EP 00 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds DIN 51502, ISO 6743, GB00G-30, ISO-L-XCBEB00

LUNA GREASE EP 2

Product code **7399**

LUNA GREASE EP 2 is a high quality multipurpose lithium thickened EP-2 grease suited for automotive, agriculture and industrial applications. LUNA GREASE EP 2 is suitable for a wide range of plain and rolling bearings.

- Good mechanical stability.
- High load carrying capacity.
- Good corrosion protection.
- Easy to pump at low temperatures.
- Suited for loaded bearings as well as wet environments.

LUNA GREASE EP 2 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds DIN 51502, ISO 6743-9, KP2K-30, ISO-L-XCCFB2

LUNA GREASE EP BF 2

Product code **7400**

LUNA GREASE EP BF 2 is a high quality multipurpose lithium thickened EP-2 grease suited for various applications within the given temperatures limit.

- Good mechanical stability.
- High load carrying capacity.
- Good corrosion protection.
- Easy to pump at low temperatures.

LUNA GREASE EP BF 2 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds DIN 51502, ISO 6743-9, KP2K-30, ISO-L-XCCFB2

LUNA GREASE EP BF 3

Product code **7401**

LUNA GREASE EP BF 3 is a high quality multipurpose lithium thickened EP-2 grease suited for various applications within the given temperatures limit.

- Good mechanical stability.
- High load carrying capacity.
- Good corrosion protection.
- Easy to pump at low temperatures.

LUNA GREASE EP BF 3 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds DIN 51502, ISO 6743-9, KP3K-30, ISO-L-XCFFB3

LUNA GREASE EPX 2

Product code **7402**

LUNA GREASE EPX 2 is a modern high performance lithium complex thickened EP 2 grease suitable for applications within a very wide temperature range and especially applications at elevated temperatures.

- Excellent at high temperatures.
- Very good mechanical stability.
- High load carrying capacity.
- Good corrosion protection.

LUNA GREASE EPX 2 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds DIN 51502, ISO 6743, KP2N-30, ISO-L-XCDIB2, Volvo Standard 87720

LUNA GREASE EPHT 2

Product code **7404**

LUNA GREASE EPHT 2 is a high performance bentone clay thickened grease suitable for both industrial and automotive applications.

- Non-Melting point.
- Suited for application with a very wide temperature range.
- Special applications at elevated temperatures.

LUNA GREASE EPHT 2 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds DIN 51502, ISO 6743, KP2N-20, ISO-L-XCDAB2

LUNA GREASE EPWR 2

Product code **7405**

LUNA GREASE EPWR 2 is a heavily loaded lithium-calcium thickened grease for industrial applications where water wash is problematic. LUNA GREASE EPWR 2 is also suitable for heavy duty vehicles working outdoors in wet and dirty conditions.

- Excellent water resistance.
- Good load carrying capacity.
- Endures high shock loads.

LUNA GREASE EPWR 2 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds DIN 51502, ISO 6743, KP2.5K-20, ISO-L-XB-CHB2.5

LUNA GREASE USG 2.5

Product code **7406**

LUNA GREASE USG 2.5 is a high performance lithium-calcium thickened grease for industrial and agriculture applications where water wash is problematic. LUNA GREASE USG 2.5 is also suitable for heavy duty vehicles working outdoors in wet and dirty conditions.

- Excellent water resistance.
- Good mechanical stability.
- Good load carrying capacity.
- Endures high shock loads.
- Good oxidation stability.

LUNA GREASE USG 2.5 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds DIN 51502, ISO 6743, KP2.5K-20, ISO-L-XB-CHB2.5



CHAIN SAW POWER 100 / 150

 Product code **7387/7388**

CHAIN SAW POWER 100/150 is a high quality oil specially developed to lubricate the chain of chain saws .

CHAIN SAW POWER 100/150 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Very good adhesive strength.
- Excellent lubricating properties, helps to prevent premature chain failure
- Extend working life.
- The specially selected additives also inhibit rust.

CHAIN SAW POWER 100 is **NOT** suitable to lubricate the engine.


Compressor & Turbine Oils
COMPRESSOR POWER 46/68/100/150

 Product code **7381/7382/7410/7384**

COMPRESSOR POWER 46/68/100/150 is a high performance ashless air compressor oil specially designed to meet the stringent requirements of major compressor manufacturers.

COMPRESSOR POWER 46/68/100/150 is suited for reciprocating air-, rotary screw and vane compressors. Also used in circulating oil systems, plain and rolling element bearings, lightly loaded Gear sets, etc

COMPRESSOR POWER 46/68/100/150 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo-oxidative
 - Improved equipment reliability, availability and efficiency.
 - Low ash and carbon forming tendency ensures improved valve performance
 - Reduced potential for fires and explosions in the discharge systems.
 - Exceptional wear and rust.
 - Superior demulsibility reduces oil carryover and corrosion, maintains lubrication efficiency.
 - Reduces sludge formation and improves life of coalesces
- Exceeds** DIN 51506 VBL/VCL/VDL, ISO 6521-DAA/DAB/DAG/DAH

COMPRESSOR POWER SYNTH 32/46/68/100/150

 Product code **7420/7421/7423/7409/7386**

COMPRESSOR POWER SYNTH 32/46/68/100/150 is an advanced fully synthetic ashless air compressor lubricant developed for use in rotary compressors of screw or vane design, reciprocating compressors and centrifugal compressors. COMPRESSOR POWER SYNTH 32/46/68/100/150 is suited single or multiple stage rotary screw or vane, centrifugal compressors and reciprocating compressors of various OEMs including Hydrovane, Atlas Copco, Compare, and Worthington. COMPRESSOR POWER SYNTH 32/46/68/100/150 is based on high quality Polyalphaolefin (PAO) base oil in combination with an unique additive package to ensure the following properties:

- Outstanding thermo-oxidative stability.

- Excellent anti-wear protection leads to longer oil and equipment life.
 - Low varnish and carbon forming tendency help in reducing maintenance cost.
 - Extra high viscosity index.
 - Excellent low temperature fluidity for use in wide operating temperature range
 - Zinc-free formulation ensures excellent filterability by minimizing oil filter blockage in wet condition.
 - Improved surface properties results in very good anti-foaming and air release properties and superior demulsibility.
 - Offers excellent protection against rust and corrosion.
- Exceeds** DIN 51506 VDL, ISO 6743-3-DAB/DAJ

TURBINE POWER 32/46

 Product code **7415/7418**

TURBINE POWER 32/46 is a supreme performance turbine oil specially designed for use in geared and non-geared steam turbines, gas turbines and combined cycle gas turbines (CCGT) including the gas turbines operating at high temperatures. TURBINE POWER 32/46 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Outstanding thermal and oxidation stability.
- Prevents sludge formation, controls deposits and minimizes oil degradation.
- Good air release properties and foam control.

- Superior anti-wear property and load carrying capability provide excellent protection for geared turbines
 - Excellent water separation capability resists formation of emulsion and leads to easy removal of excess water from the lubrication system
 - Effective rust and corrosion inhibitors provide long term protection to critical system components
- Exceeds** ASTM D4304 Type II, DIN 51515 TD/TG, ISO 8086 TSE/TGE/TSA/TGA, ALSTOM HTGD 90117 V, GEK 32568E/32568F/46506D/28143A/107395A/10194 1A, Solar ES 9-224, Class II, Siemens TLV 9013 04, ALSTOM HTGD 90117W

HYDRA POWER 15/22/32*/46/68***/100**

 Product code **7350/7351/7352/7354/7356/7357**

HYDRA POWER 15/22/32/46/68/100 is a high performance anti-wear hydraulic oil developed for high pressure hydraulic systems operating under moderate to severe conditions in mobile and industrial service.

HYDRA POWER 15/22/32/46/68/100 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo-oxidative.
- Exceptional anti-wear property results in longer pump and component life.

- Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions.
- Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture.
- Rapid air release property minimizes chances of pump cavitation leading to trouble free operations.
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems.

Exceeds DIN 51524 Part 2 HLP, AFNOR NFE 48-603, ISO 11158HM, Vickers M-2950, I-286-S, US Steel 127, 136, Denison HF-0*/HF-1**/HF-2***, Cincinnati P-68*/P-69***/P-70**

HYDRA POWER PLUS 22/32*/46/68***/100**

 Product code **7359/7358/7360/7362/7355**

HYDRA POWER PLUS 22/32/46/68/100 is a premium quality zinc-free ashless anti-wear hydraulic oil specially developed for applications like hydraulic and power transmission subjected to wide range of temperature or where small viscosity change with fluctuating temperature is required.

HYDRA POWER PLUS 22/32/46/68/100 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Exceptional anti-wear property results in longer component life reducing costs
- Excellent thermo-oxidative.

- Extremely high viscosity index assures equipment protection at cold start-up temperatures and at high operating temperatures
- Excellent shear stability minimizes viscosity loss over time and exhibits "stay-in-grade" performance under high shear conditions
- Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture
- Compatible with multi-metals & most sealing materials commonly used in hydraulic systems

Exceeds DIN 51524 Part 3 HVL, AFNOR NFE 48-603, ISO 11158HV, Vickers M-2950, I-286-S, US Steel 127, 136, Denison HF-0*/HF-1**/HF-2***, Cincinnati P-68*/P-69***/P-70**

HYDRA POWER ZF 22/32*/46/68*****

 Product code **7364/7353/7365/7371**

HYDRA POWER ZF 22/32/46/68 is a high performance zinc-free ashless anti-wear hydraulic oil developed to provide excellent performance in hydraulic systems, power transmission and general machine lubrication operating under moderate to severe conditions.

HYDRA POWER ZF 22/32/46/68 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo-oxidative stability.
- Anti-wear property results in longer pump and component life.
- Advanced ashless additive technology reduces environmental

- impact in case of accidental spillage
- Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems.
- Designed for older hydraulic pumps containing silver or silver-plated parts.

Exceeds DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM, Denison HF-0*/HF-1**/HF-2***, Cincinnati P-68*/P-69***/P-70**

HYDRA POWER ZF PLUS 22/32*/46/68*****

 Product code **7373/7375/7363/7377**

HYDRA POWER ZF PLUS 22/32/46/68 is a high performance zinc-free ashless anti-wear hydraulic oil developed to provide excellent performance in hydraulic systems, power transmission and general machine lubrication operating under moderate to severe conditions. HYDRA POWER ZF PLUS 22/32/46/68 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Outstanding thermo-oxidative stability.
- Exceptional anti-wear property results in fewer breakdowns, longer pump.
- Advanced ashless additive technology reduces environmental.

- Special rust & corrosion inhibitors protect multi-metallurgy components against negative effects of moisture presence in the system
- Offers long term hydrolytic stability and yellow metal compatibility in presence of water
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems
- Designed for older hydraulic pumps containing silver or silver-plated parts.

Exceeds DIN 51524 Part 3 HVL, AFNOR NFE 48-603 HV, Vickers M-2950-S, Vickers I-286-S, Denison HF-0*/HF-1**/HF-2***, Cincinnati P-68*/P-69***/P-70**



HYDRA POWER SYNTH 32/46/68

Product code **7379/7383/7361**

HYDRA POWER SYNTH 32/46/68 is a premium quality ashless fully synthetic environmentally acceptable hydraulic oil specially developed to meet the requirements of the most demanding modern hydraulic systems in industrial and mobile service.

HYDRA POWER SYNTH 32/46/68 is based on high synthetic base oil in combination with an unique additive package to ensure the following properties:

- Outstanding thermo-oxidative stability reduces deposit formation, improves pump & valve performance and allows extension of oil and filter change intervals
- Exceptional anti-wear property.
- Naturally high Viscosity Index ensures minimum viscosity change over a wide temperature range
- Excellent demulsibility helps in faster separation of water from oil and resists formation of emulsions
- Special rust & corrosion inhibitors protect multi-metallurgy components against negative effects of moisture presence in the system
- Rapid air release property minimizes pump cavitation and prevents component damage
- Offers long term hydrolytic stability and yellow metal compatibility in presence of water
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems

HYDRA POWER SYNTH 32
Exceeds DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM, ISO 11158 HM, Denison HF-0, Cincinnati P-68, Vickers M-2950-S, Vickers I-286-S

HYDRA POWER SYNTH 46
Exceeds DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM, ISO 11158 HM, Denison HF-1, Cincinnati P-70, Vickers M-2950-S, Vickers I-286-S

HYDRA POWER SYNTH 68
Exceeds DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM, ISO 11158 HM, Denison HF-2, Cincinnati P-69, Vickers M-2950-S, Vickers I-286-S

HYDRA POWER BIO 46

Product code **7424**

HYDRA POWER BIO 46 is a premium quality biodegradable hydraulic oil for heavy duty hydraulic systems of earthmoving equipment and permanent installations working under severe conditions like high pressures over a wide range of temperatures.

HYDRA POWER BIO 46 is developed for situations where pollution of the environment could be expected.

HYDRA POWER BIO 46 is based on biodegradable synthetic esters oil in combination with an unique additive package to ensure the following properties:

- High and stable viscosity index.

- Excellent wear-preventing properties.
- High good activity against corrosion.
- Excellent stability against oxidation,
- Good deaerating and foam suppressing properties
- Good compatibility with seals and gaskets made from synthetic material
- Low pour point
- Good water separation
- Reduced harm for water and soil during use

Exceeds DIN 51524 HVLP, CEC L33-T82 >90% in three weeks

HYDRA POWER HLPD PLUS 46

Product code **7366**

HYDRA POWER HLPD PLUS 46 is a heavy duty detergent type ashless anti-wear hydraulic oil specially developed for machine-tool hydraulic systems, mobile hydraulic systems and clutch drives where minor water contamination can be expected.

HYDRA POWER HLPD PLUS 46 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Special detergent and dispersant properties ensure smooth functioning.

- Excellent water emulsifying ability maintains proper functioning of hydraulic systems even in case of contamination of oil with small amounts of water
- Superior anti-wear properties help reduce wear of mechanical components
- High resistance to oxidation and thermal degradation.
- High foam control and rapid air release properties ensure trouble-free operations
- Effective corrosion inhibitors provide corrosion protection in arduous service conditions

Exceeds DIN 51524 Part 3 HVLP, Daimler DBL 6721

HANSA CYLPOWER 5070

Product code **7452**

HANSA CYLPOWER 5070 is a superior quality Marine Cylinder Lubricant (MCL) designed for modern low speed turbo charged crosshead diesel engines operating on high temperatures and high power output on residual fuels with a maximum sulphur content of 4.5%.

HANSA CYLPOWER 5070 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Outstanding acid neutralizing capability.
- Very good oxidation stability.
- Maximum film strength
- Superior detergency minimizes deposits on critical parts viz. pistons, piston rings, ring grooves and cylinder ports.
- Enhanced antiwear property minimizes piston ring & cylinder wear.
- Good compatibility with all normal seal materials.
- High TBN of 70 for max. sulphur content of 4.5%.

HANSA CYLPOWER 5040

Product code **7454**

HANSA CYLPOWER 5040 is a superior quality Marine Cylinder Lubricant (MCL) designed for modern low speed turbo charged crosshead diesel engines operating at high temperatures and high power output on residual fuels with a maximum sulphur content of 1.5%.

HANSA CYLPOWER 5040 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Outstanding acid neutralizing capability.
- Very good oxidation stability.
- Maximum film strength
- Superior detergency minimizes deposits on critical parts viz. pistons, piston rings, ring grooves and cylinder ports.
- Enhanced antiwear property minimizes piston ring & cylinder wear.
- Good compatibility with all normal seal materials.

HANSA SYSPower 3008

Product code **7456**

HANSA SYSPower 3008 is a premium quality system oil designed for modern highly rated low speed crosshead marine engines including those employing system oil for piston cooling.

HANSA SYSPower 3008 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo-oxidative stability.
- Improved detergency keeps crankcase clean.
- Superior water separation characteristics result in trouble free operations.
- Special rust inhibitors protect critical bearing surfaces from rusting.
- Adequate TBN ensures protection against corrosive combustion products.
- Good load bearing capabilities reduce wear in heavily loaded bearings.

HANSA POWER 312/315/412/415/320/420

Product code **7458/7460/7462/7464/7465/7471**

HANSA POWER 312/315/412/415/320/420 is a premium quality trunk piston engine oil designed for use in the modern medium speed diesel engines operating on distillate fuels.

HANSA POWER 312/315/412/415/320/420 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Superior detergency ensures piston and crankcase cleanliness.
- Improved anti-wear property minimizes engine wear.
- Excellent thermo-oxidative stability.
- Protection of engine parts against corrosive combustion products.
- Better demulsibility characteristics ensure water.
- Special rust & corrosion inhibitors prevent corrosion of engine parts in severe salt water environment.
- Excellent dispersancy and detergency properties.
- Good protection against "Bore Polishing" and lacquering.

Exceeds API CF



HANSA POWER 3030/3040/3055*

 Product code **7466/7468/7470**

HANSA POWER 3030/3040/3055 is a premium quality multifunctional trunk piston engine oil designed for use in the latest highly rated medium speed diesel engines operating on residual fuels with a max. sulphur content of 3.5%/4,5%* in marine, power generation and industrial applications.

HANSA POWER 3030/3040/3055 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Exceptional detergency reduces build-up of soot & black sludge, improves tolerance for heavy fuel contaminants and keeps the engine clean
- Acidic by-products are effectively neutralized and the engine is protected from corrosive wear by the unique formulation providing the reserve alkalinity
- Superior demulsibility characteristics ensure water.
- Robust antiwear technology provides excellent piston & linear wear control and good gear performance.
- Excellent thermo-oxidative stability retards oil degradation facilitating extended oil life

HANSA POWER 4030/4040/ 4050*/4055*

 Product code **7472/7474/ 7475/7476**

HANSA POWER 4030/4040/4050/4055 is a premium quality multifunctional trunk piston engine oil designed for use in the latest highly rated medium speed diesel engines operating on residual fuels with a max. sulphur content of 3.5%/4,5%* in marine, power generation and industrial applications.

HANSA POWER 4030/4040/4050/4055 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Exceptional detergency reduces build-up of soot & black sludge, improves tolerance for heavy fuel contaminants and keeps the engine clean
- Acidic by-products are effectively neutralized and the engine is protected from corrosive wear by the unique formulation providing the reserve alkalinity
- Superior demulsibility characteristics ensure water.
- Robust antiwear technology provides excellent piston & linear wear control and good gear performance.
- Excellent thermo-oxidative stability retards oil degradation facilitating extended oil life

HANSA MULTI POWER 15W-40

 Product code **7478**

HANSA MULTI POWER 15W-40 is a premium quality marine engine oil developed to meet the performance requirements of modern turbocharged and naturally aspirated marine diesel engines operating on distillate diesel fuel.

HANSA MULTI POWER 15W-40 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- High thermo- and oxidation stability.
- Improved detergency reduces deposits, keeps engine clean and protects against bore polishing.

- Excellent soot handling.
- Improved dispersancy ensures soot dispersion to control oil thickening and wear.
- Good TBN retention ensures effective acid neutralization.
- Effective antiwear properties protect critical engine components to extend engine life and reduce maintenance costs.
- Protection against "Bore Polishing", Reduced piston deposits.

Exceeds API CG-4/CF, MB 228.3, MAN M 3275, ACEA E2 (level), Volvo VDS, MTU Type 2, MACK EO-L





RAILROAD POWER 413

Product code **7271**

RAILROAD POWER 413 is a high performance, zinc-free and chlorine-free oil specially designed to provide excellent engine cleanliness and oil filter life in the modern railroad diesel locomotive engines.

RAILROAD POWER 413 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Exceptional detergency and dispersancy provides excellent engine cleanliness, especially engine top decks.
- Excellent retention of TBN facilitates extended drain intervals.
- High thermo-oxidative.
- Zinc-free formulation protects silver bearings against corrosion.
- Non-chlorinated additive package helps in reducing used oil disposal costs.



Heat Transfer Oils

THERMPOWER 32

Product code **7389**

THERMPOWER 32 is a premium quality heat transfer oil intended for use in closed indirect heating systems with expansion tanks temperatures up to 315°C.

THERMPOWER 32 is based on high quality virgin mineral base oil to ensure the following properties:

- Excellent thermal and oxidation stability.
- Minimizes deposit formation and viscosity increase.
- Extended service life and reduced downtime.

- Exceptional resistance to thermal cracking and decomposition enables this oil to perform well up to a maximum bulk oil temperature of 315°C with minimal interference with heat transfer capability.
- High specific heat and thermal conductivity of this oil provides more rapid heat dissipation.
- Superior low temperature fluidity ensures quick circulation at start-up and reduced risk of local over-heating.
- Non corrosive to aluminum, steel, copper, brass or bronze.
- Non-toxicity of this oil provides easy disposal of used oil.



Slideway Oils

SLIDEWAY POWER 32/68/220

Product code **7367/ 7368/ 7369**

SLIDEWAY POWER 32/68/220 is a superior quality lubricant specially developed to meet the requirements of modern high production machine tool slideways.

SLIDEWAY POWER 32/68/220 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Low frictional properties reduce chatter and stick-slip of slides and ways.
- Improved surface finish and dimensional accuracy of workpieces.
- Excellent demulsibility provides ready separation from soluble cutting fluids
- Prolonged coolant life and reduced cost of replacement and disposal.

- Superior metal wetting properties and adhesiveness resist wash-off from critical surfaces and protect from attack of high pH coolants.
- Good filterability provides easy circulation through filters and reduces stick-slip, chatter and wear.
- Excellent anti-wear performance provides high levels of protection for gears, bearings and slides.
- Effective rust and corrosion inhibitors provide enhanced protection of machine tool slides even in presence of aqueous cutting fluids.
- Good thermal and oxidative stability.

Exceeds ISO 6743-4 HG, ISO 6743-13 GA

BLUEPOWER

Product code **7422**

BLUEPOWER is a high quality solution of 32.5% urea and 67.5% water, especially developed for the automotive Selective Catalyst Reduction (SCR) catalytic converter. By injecting BLUEPOWER into the SCR catalytic converter, nearly all harmful nitrogen oxides (NOx) are immediately reduced into harmless nitrogen and water vapour. With using BLUEPOWER this catalytic conversion has an optimal effect.

BLUEPOWER is an additive needed for new trucks with SCR-catalytic converters which have to fulfill the European Standards Euro IV and V. The use of BLUEPOWER and the SCR-catalytic converter make a different adjustment of the engine possible, thus realizing less fuel consumption.

With SCR an urea solution is injected in the exhaust gasses. After that the mixture passes a converter it lets BLUEPOWER and NOx react to nitrogen and water. Electronic control adjusts the injected amount of BLUEPOWER constantly to the amount of NOx in the exhaust gasses. BLUEPOWER has been prescribed by the heavy duty vehicle manufacturers such as Daimler, DAF, Scania, Volvo MAN etc....

With SCR an urea solution is injected in the exhaust gasses. After that the mixture passes a converter it lets BLUEPOWER and NOx react to nitrogen and water. Electronic control adjusts the injected amount of BLUEPOWER constantly to the amount of NOx in the exhaust gasses. BLUEPOWER has been prescribed by the heavy duty vehicle manufacturers such as Daimler, DAF, Scania, Volvo MAN etc....

Exceeds DIN 70 070.

PSF POWER SYNTH

Product code **7319**

PSF POWER SYNTH is a fully synthetic, high-performance central hydraulic system oil based on advanced synthesis technology which shows improved performance regarding viscosity temperature characteristics and simultaneously optimized shear stability.

PSF POWER SYNTH is developed for highly stressed centralized hydraulic systems, power steering systems and shock absorbers which can reach permanent oil temperatures up to approximately 140°C. PSF POWER SYNTH is based on high quality synthetic base oil in combination with an unique additive package to ensure the following properties:

- Optimized temperature stability.
- High oxidation stability.
- Proven OEM technology.
- Excellent cold temperatures properties.
- High shear stability.
- Improvement of efficiency possible.

Exceeds MAN M 3289, BMW 81 22 9 407 758, BMW 82 11 1 468 041, BMW 83 29 0 429 576, Ford M2C204A, OPEL 1940 715, OPEL 1940 766, PSA S 71 2710, VW TL 521 46 (G 002 000/A7/A8, G 004 000), MB 345.0

LHM FLUID

Product code **7393**

LHM FLUID is a hydraulic oil has been especially developed for application in brake systems and hydraulic controlled clutches in a number of Citroën cars. Also suitable for certain industrial hydraulic systems, where anti-wear properties are required.

LHM FLUID complies with the latest demands of Citroën.

LHM FLUID should never be used in braking systems other than those prescribed above

LHM FLUID is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo- and oxidation stability.
- High resistance against rust and corrosion.
- Extreme fluidity at low temperature.
- Exceptional high and stable VI
- Very low pour point.
- Not hygroscopic



Passenger Car Motor Oils

Code	Product name	Specifications
7201	WAVE POWER RACING 10W-60	Exceeds: API SL/CF, ACEA A3/B4, MB 229.1, VW 502.00/505.00
7202	WAVE POWER RACING 5W-50	Exceeds: API SM/CF, ACEA A3/B4, MB 229.1, VW 502.00/505.00
7204	WAVE POWER SM 5W-40	Approved: MB-Approval 229.3, VW 502.00/505.00, BMW LL-01 Exceeds: API SN/CF, ACEA A3/B4, GM-LL-B025, PSA B71 2296, Porsche A40, Renault 0700/0710
7206	WAVE POWER SL 10W-40	Approved: MB-Approval 229.1, VW 501.01/505.00 Exceeds: ACEA A3/B4, API SL/CF
7208	WAVE POWER SL 15W-40	Exceeds: ACEA A3/B3, API SL/CF, VW 505.00, MB 229.1
7209	WAVE POWER SL-CF 10W-40	Exceeds: API SL/CF, ACEA A3/B4
7210	WAVE POWER SL 20W-50	Exceeds: ACEA A3/B3, API SL/CF, VW 505.00, MB 229.1
7212	WAVE POWER SF 15W-40	Exceeds: API SF/CD
7214	WAVE POWER SF 20W-50	Exceeds: API SF/CD
7219	WAVE POWER SL 0W-30	Exceeds: ACEA A3/B4, API SJ/CF, VW 502.00/505.00, VW 503.01, MB 229.3, BMW LL-98
7220	WAVE POWER FE 5W-30	Exceeds: ACEA A1/B1, API SL, ILSAC GF-3, Ford M2C-913A/913B
7221	WAVE POWER GM 5W-30	Exceeds: ACEA A3/B4, API SN/CF, MB 299.5, VW 502.00/505.00, BMW LL-01, Opel GM-LL-A025, Opel GM-LL-B025, Renault RN 0710
7224	WAVE POWER LL 5W-30	Approved: VW 504.00/507.00, MB-Approval 229.51, BMW LL-04 Exceeds: ACEA A3/B4, C3,
7225	WAVE POWER LE 5W-30	Approved: MB-Approval 229.51, BMW LL-04, VW 502.00/505.00 Exceeds: ACEA A3/B4, C3, API SN/CF, Renault RN 0700/0710
7226	WAVE POWER LE 5W-40	Approved: MB-Approval 229.51, VW 502.00/505.00 & VW 505.01 Exceeds: ACEA A3/B4, C3, API SN/CF, Renault RN 0700/0710, BMW LL-04
7227	WAVE POWER FEC 5W-30	Exceeds: API SL/CF, ACEA A3/B4, MB 229.5, BMW LL-01, VW 502.00/505.00, Ford WSS M2C913C
7228	WAVE POWER C2 5W-30	Exceeds: API SN/CF, ACEA A1/B1, ACEA A5/B5, ACEA C2, PSA B71 2290, Renault 0700
7229	WAVE POWER GMD 5W-30	Exceeds: GM dexos 2, API SN/CF, ACEA A3/B4, C3, MB 229.51, BMW LL-04, VW 502.00/505.00
7230	WAVE POWER BLL 5W-30	Exceeds: ACEA A3/B4, C3, VW 504.00/507.00, MB 229.51, BMW LL-04
7231	WAVE POWER C4 5W-30	Exceeds: ACEA C4, RN 0720, MB 229.51
7232	WAVE POWER SN 5W-20	Exceeds: API SN/SN-RC, ILSA GF-5, GM Dexos 1, GM 4718M
7233	WAVE POWER CC 15W-40	Exceeds: API CC/SF
7234	WAVE POWER SL 15W-50	Exceeds: API SL/CF
7235	WAVE POWER SN 0W-20	Exceeds: API SN/SN-RC, ILSA GF-5, GM Dexos 1, GM 4718M

Heavy Duty Engine Oils

Code	Product name	Specifications
7249	TIDAL POWER SUPER UHPD 5W-30	Exceeds: ACEA E7/E4, API CI-4, MB 228.5, MAN M 3277, Global DHD-1, Mack EO-M+, Renault RXD, Cummins 20076/20077/20072, MTU Type 3, Volvo VDS-3, Scania LDF
7250	TIDAL POWER EHPD 10W-40	Exceeds: MB-228.5 (approval pending), MAN M 3277, Renault RLD-2, Volvo VDS-3, MACK EO-N, API CI-4, ACEA E7/E4, MTU Type 3, Cummins 20077/20078, Scania LDF-2
7251	TIDAL POWER SHPD 15W-40	Exceeds: API CJ-4, ACEA E9/E7, MB 228.31, MAN M 3575, MACK EO-O, Renault VI RLD-3, Volvo VDS-4, DDC PGOS 93K218, CAT ECF-3/2/1a, Deutz DQC III-05, MTU Type 2.1, Cummins 20081
7252	TIDAL POWER UHPD 10W-40	Exceeds: API CI-4, ACEA E7/E4, MB 228.5, MAN M 3277, Volvo VDS-3, MTU Type 3, Renault RXD/RLD-2
7253	TIDAL POWER SHPD 10W-30	Exceeds: API CJ-4, ACEA E9/E7, MB 228.31, MAN M 3575, MACK EO-O, Renault VI RLD-3, Volvo VDS-4, DDC PGOS 93K218, CAT ECF-3/2/1a, Deutz DQC III-05, MTU Type 2.1, Cummins 20081
7254	TIDAL POWER SCR 10W-40	Approved: MB-Approval 228.51, MAN M 3477, Volvo VDS-3, Renaults RLD-2 Exceeds: ACEA E6/E7, Deutz DQC-III-05, MTU Type 3.1, MAN M 3271
7255	TIDAL POWER HDX 10W-40	Approved: MB-Approval 228.3, MAN M 3275, Volvo VDS-3, Renault RLD-2, Mack EO-N Exceeds: API CI-4, ACEA E7, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, Allison C4, MTU Type 2, Mack EO-M+, Cummins CES 20077/20078, DAF HP-2
7256	TIDAL POWER HDX 15W-40	Approved: MB-Approval 228.3, MAN M 3275, Volvo VDS-3, Renault RLD-2, Mack EO-N Exceeds: API CI-4, ACEA E7, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, Allison C4, MTU Type 2, Mack EO-M+, Cummins CES 20077/20078, DAF HP-2
7257	TIDAL POWER HDL 10W-40	Exceeds: API CH-4/CF, ACEA E2 (level), MB 228.3, MAN M 3275, Volvo VDS-2, MTU Type 2, Mack EO-L, Allison C-4
7259	TIDAL POWER HDL 10W-30	Exceeds: API CH-4/CF, ACEA E2 (level), MB 228.3, MAN M 3275, Volvo VDS-2, MTU Type 2, Mack EO-L, Allison C-4

Code	Product name	Specifications
7260	TIDAL POWER HD 15W-40	Approved: MB-Approval 228.3, MAN M 3275 Exceeds: API CG-4/CF, ACEA E2 (level), Volvo VDS, MTU Type 2, Mack EO-L
7261	TIDAL POWER HD 20W-50	Exceeds: API CG-4/CF, ACEA E2 (level), MB 228.3, MAN M 3275, Volvo VDS, MTU Type 2, Mack EO-L
7263	TIDAL POWER HDX 20W-50	Exceeds: API CI-4, MB 228.3, MAN M 3275, Volvo VDS-3, ACEA E7, Renault RLD-2, Mack EO-N, Allison C4, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, MTU Type 2, Cummins CES 20077/20078, DAF HP-2, Mack EO-M+
7262	TIDAL MONO POWER CF 10W	Exceeds: API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152
7264	TIDAL MONO POWER CF 20W-20	Exceeds: API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152
7266	TIDAL MONO POWER CF 30	Exceeds: API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152
7268	TIDAL MONO POWER CF 40	Exceeds: API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152
7270	TIDAL MONO POWER CF 50	Exceeds: API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152
7272	TIDAL MONO POWER 10	Exceeds: API CB/SB
7274	TIDAL MONO POWER 20	Exceeds: API CB/SB
7276	TIDAL MONO POWER 30	Exceeds: API CB/SB
7278	TIDAL MONO POWER 40	Exceeds: API CB/SB
7280	TIDAL MONO POWER 50	Exceeds: API CB/SB
7284	TIDAL MONO POWER SA 50	Exceeds: API SA
7287	TIDAL POWER LA 40	Exceeds: API CF; Waukesha Cogeneration; Dresser Rand Category III, Jenbacher
7288	TIDAL POWER MA 40	Exceeds: API CF; Waukesha Cogeneration; Dresser Rand Category III, Jenbacher
7289	TIDAL POWER LA 30	Exceeds: API CF; Waukesha Cogeneration; Dresser Rand Category III, Jenbacher

Small Engine Oils

Code	Product name	Specifications
7291	STREAM POWER OTB 4T	Exceeds: NMMA-FC-W
7292	STREAM POWER 2T	Exceeds: API TC, JASO FB
7293	STREAM POWER 4T 10W-50	Exceeds: API SL, JASO MA
7294	STREAM POWER 2T EXTRA	Exceeds: API TC, JASO FD, ISO-LEGD
7295	STREAM POWER SYN 2T	Exceeds: API TC, JASO FD, ISO-LEGD
7296	STREAM POWER OTB 2T	Exceeds: NMMA TC-W3®
7298	STREAM POWER 4T EXTRA	Exceeds: JASO MA2, API SL
7299	STREAM POWER 4T	Exceeds: JASO MA, API SL

Automotive Gear Oils

Code	Product name	Specifications
7301	AUTOGEAR POWER GL 140	Exceeds: API GL-1, MIL-L-2105
7302	AUTOGEAR POWER EP 80W-90	Exceeds: API GL-4, MIL-L-2105
7304	AUTOGEAR POWER EP 85W-140	Exceeds: API GL-4, MIL-L-2105
7306	AUTOGEAR POWER MP 80W-90	Exceeds: API GL-5, MIL-L-2105D, MAN 342 M2, ZF TE-ML 05A, 07A, 12E, 16B/C/D, 17B, 19B, 21A
7307	AUTOGEAR POWER MP 85W-90	Exceeds: API GL-5, MIL-L-2105D, MB 235.6, ZF TE-ML 17B, 19B, 21A, ZF TE-ML 16C
7308	AUTOGEAR POWER MP 85W-140	Exceeds: API GL-5, MIL-L-2105D, MAN 342 M2, ZF TE-ML 05A, 07A, 12E, 16B/C/D, 17B, 19B, 21A
7310	AUTOGEAR POWER SYN 75W-90	Exceeds: API GL-4/5, MT-1, MAN M3343S, MIL-PRF-2105E, Scania STO 1:0, MB 235.0, ZF TE-ML 02B/05A/07A/12E/16B/16C/16D/17B/19B/21A, SAE J2360, MACK GO-J, MAN 341 E2
7312	AUTOGEAR POWER LS 80W-90	Exceeds: API GL 5, MIL PRF 2105D, MAN 342 M1/M2, MB 235.0, Volvo 97310, DAF, Renault, Arvin Meritor, ZF TE-ML 05C, 12C, 16E, 21C
7314	GEAR POWER TO-4 30	Exceeds: Caterpillar TO-4, Komatsu KES 07.868.1, Allison C4, API CF-2/CF, ZF TE-ML 03
7315	GEAR POWER TO-4 50	Exceeds: Caterpillar TO-4, Komatsu KES 07.868.1, Allison C4, API CF-2/CF, ZF TE-ML 03
7316	GEAR POWER TO-4 10W	Exceeds: Caterpillar TO-4, Komatsu KES 07.868.1, Allison C4, API CF-2/CF, ZF TE-ML 03
7333	AUTOGEAR POWER TX 75W-80	Exceeds: API GL-5, MB 235.4, Volvo 97305, MAN 341 E3, MAN 341 Z4, Iveco, Renault B0032/2, Eaton Europe, ZF TE-ML 01L, 02L, 08, 16K
7334	AUTOGEAR POWER SYN 75W-85	Exceeds: API GL-5, MB 235.7, ZF TE-ML 18, VW G 052 190, VW G 055 190, Alfa Romeo, BMW, Fiat, Lancia

Automotive Transmission Oils

Code	Product name	Specifications
7318	ATF POWER MBF	Exceeds: MB 236.14, Ssang Yong
7320	ATF POWER DX II	Exceeds: DEXRON®IID
7322	ATF POWER DX III	Exceeds: DEXRON® III G, Ford Mercon®
7324	ATF POWER DX VI	Exceeds: DEXRON® VI
7323	ATF POWER MV	Exceeds: Dexron III G/H, Allison C4, Cat TO-2, Honda ATF Z1, MAN 339 Z1/V1, Mercon V, Mitsubishi SP-II/III, Nissan Matic D/J, Toyota T-II/III/IV, Voith H55.6335xx, Volvo 97340, JASO M315 1A, Toyota WS, JWS 3309/3314, VW G052 025, VW G052 162, LT 71141, Chrysler ATF +4, MB 236.10, Dexron IIE, TES 295, Chrysler +4, Honda SP-III/Z1, Texaco N402, MB 236.10/236.11, Volvo Std 1273.41, VW G 052 990, ZF TE-ML 03D, ZF TE-ML 03D, 04D, 14A, 14B, 17C, MAN Z1/V2
7325	ATF POWER CVT	Exceeds: MB 236.20, Ford WSS-M2C928A, BMW 83 22 0 136 376 / 83 22 0 429 154, VW G 052 180
7416	ATF POWER DSG	Exceeds: VW TL 521 82, BMW EU 83 22 2 148 578, BMW EU 83 22 2 148 579
7417	ATF POWER LG6	Exceeds: M.1375-4, VW G 055 005, Toyota Type WS, Nissan Matic S, Hyundai SP-IV, Mercon LV, Dexron VI

Agricultural Oils

Code	Product name	Specifications
7326	SUPER TRACTOR POWER 10W-40	Engine: API CG-4/CF-4/CE/SF, MB 228.1, ACEA E3 STOU: Ford M2C159B, NH 82009201,2,3, MF M1139/1144/1145, JD J27, ZF TE-ML 06B, 06C, 07B UTTO: JD J20C, J20D, Ford M2C86B,C, Ford M2C134D, MS-1204/6/7/9, MF 1135/1143/1145, Cat TO-2, API GL-4, Allison C4 Hydraulic: Vickers M-2950-S, Vickers I-280-S, Danfoss
7327	SUPER TRACTOR POWER 10W-30	Engine: API CF-4/CE/SF, MB 227.1, ACEA E3 STOU: Ford M2C159B, NH 82009201,2,3, MF M1139/1144, JD J27C, ZF TE-ML 06B/07B UTTO: JD J20C, J20D, Ford M2C86B,C, Ford M2C134D, MS-1204/6/7/9, MF 1135/1143/1145, Cat TO-2, API GL-4, Allison C4 Hydraulic: Vickers M-2950-S, Vickers I-280-S, Danfoss
7329	SUPER TRACTOR POWER 15W-40	Engine: API CF-4/CE/SF, MB 227.1, ACEA E3 STOU: Ford M2C159B, NH 82009201,2,3, MF M1139/1144, JD J27C, ZF TE-ML 06B/07B UTTO: JD J20C, J20D, Ford M2C86B,C, Ford M2C134D, MS-1204/6/7/9, MF 1135/1143/1145, Cat TO-2, API GL-4, Allison C4 Hydraulic: Vickers M-2950-S, Vickers I-280-S, Danfoss
7331	UNIVERSAL TRACTOR POWER 85W	Exceeds: API GL-4, NH Mat 3525/3526, JD J20C, Volvo WB 101, ZF TE-ML 03E/05E, MF 1135/1143/1145
7332	UNIVERSAL TRACTOR POWER 80W	Exceeds: API GL-4, NH Mat 3525/3526, JD J20C, Volvo WB 101, ZF TE-ML 03E/05E, MF 1135/1143/1145
7335	MILKING MACHINE POWER 68	DIN 51524 Part 3

Industrial Gear Oils

Code	Product name	Specifications
7425	INDUSTRIAL GEAR POWER 68	Exceeds: DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
7370	INDUSTRIAL GEAR POWER 100	Exceeds: DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
7372	INDUSTRIAL GEAR POWER 150	Exceeds: DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
7374	INDUSTRIAL GEAR POWER 220	Exceeds: DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
7376	INDUSTRIAL GEAR POWER 320	Exceeds: DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
7378	INDUSTRIAL GEAR POWER 460	Exceeds: DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
7380	INDUSTRIAL GEAR POWER 680	Exceeds: DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101

Automotive Brake Fluids

Code	Product name	Specifications
7392	BRAKE FLUID DOT 4	Exceeds: FMVSS 116 DOT 4, SAE J 1703, ISO 4925
7450	BRAKE FLUID DOT 3	Exceeds: FMVSS 116 DOT 3, SAE J 1703, ISO 4925

Antifreeze & Cooling Fluids

Code	Product name	Specifications
7394	GLACIER ANTIFREEZE	Exceeds: BS 6580, AFNOR 15-601, ASTM D-3306, SAE J 1034, CUNANC 956-16
7395	GLACIER ANTIFREEZE XL	Exceeds: VW TL 774C, MB 325.0, FIAT 9.55523, IVECO 18-1830, Ford ESD M97B49, GM GME L 1301, GM 6901599, MAN 324 NF, MTU MTL 5048, Volvo Construction, BS 6580, JASO M325
7385	GLACIER ANTIFREEZE G12+	Exceeds: VAG TL 774D/F, MB 325.3, MAN 324 SNF, GM 6277M, Ford WSS-M97B44D, Cummins IS Series, Detroit Diesel, Deutz/MWM, Hitachi, Liebherr MD1-36, MTU 5048, Renault/Nissan, Volvo, Thermo King
7412	GLACIER ANTIFREEZE G12++	Exceeds: VAG TL 774G, MB 326.5, MAN 324 SI-OAT
7396	GLACIER COOLANT RTU 40	Exceeds: BS 6580, AFNOR 15-601, ASTM D-3306, SAE J 1034, CUNANC 956-16
7397	GLACIER COOLANT RTU G12+	Exceeds: VAG TL 774D/F, MB 325.3, MAN 324 SNF, GM 6277M, Ford WSS-M97B44D, Cummins IS Series, Detroit Diesel, Deutz/MWM, Hitachi, Liebherr MD1-36, MTU 5048, Renault/Nissan, Volvo, Thermo King
7413	GLACIER COOLANT RTU G12++	Exceeds: VAG TL 774G, MB 326.5, MAN 324 SI-OAT

Greases

Code	Product name	Specifications
7398	LUNA GREASE EP 00	Exceeds: DIN 51502, ISO 6743, GP00G-30, ISO-LXCBE00
7399	LUNA GREASE EP 2	Exceeds: DIN 51502, ISO 6743-9, KP2K-30, ISO-LXCCFB2
7400	LUNA GREASE EP BF 2	Exceeds: DIN 51502, ISO 6743-9, KP2K-30, ISO-LXCCFB2
7401	LUNA GREASE EP BF 3	Exceeds: DIN 51502, ISO 6743-9, KP3K-30, ISO-LXCFFB3
7402	LUNA GREASE EPX 2	Exceeds: DIN 51502, ISO 6743, KP2N-30, ISO-LXCDIB2, Volvo Standard 87720
7404	LUNA GREASE EPHT 2	Exceeds: DIN 51502, ISO 6743, KP2N-20, ISO-LXCDAB2
7405	LUNA GREASE EPWR 2	Exceeds: DIN 51502, ISO 6743, KP2.5K-20, ISO-LXBCHB2.5
7406	LUNA GREASE USG 2.5	Exceeds: DIN 51502, ISO 6743, KP2.5K-20, ISO-LXBCHB2.5

Chainsaw Oils

Code	Product name	Specifications
7387	CHAIN SAW POWER 100	
7388	CHAIN SAW POWER 150	

Compressor & Turbine Oils

Code	Product name	Specifications
7381	COMPRESSOR POWER 46	Exceeds: DIN 51506 VBL/VCL/VDL, ISO 6521-DAA/DAB/DAG/DAH
7382	COMPRESSOR POWER 68	Exceeds: DIN 51506 VBL/VCL/VDL, ISO 6521-DAA/DAB/DAG/DAH
7410	COMPRESSOR POWER 100	Exceeds: DIN 51506 VBL/VCL/VDL, ISO 6521-DAA/DAB/DAG/DAH
7384	COMPRESSOR POWER 150	Exceeds: DIN 51506 VBL/VCL/VDL, ISO 6521-DAA/DAB/DAG/DAH
7420	COMPRESSOR POWER SYNTH 32	Exceeds: DIN 51506 VDL, ISO 6743-3-DAB/DAJ
7421	COMPRESSOR POWER SYNTH 46	Exceeds: DIN 51506 VDL, ISO 6743-3-DAB/DAJ
7423	COMPRESSOR POWER SYNTH 68	Exceeds: DIN 51506 VDL, ISO 6743-3-DAB/DAJ
7409	COMPRESSOR POWER SYNTH 100	Exceeds: DIN 51506 VDL, ISO 6743-3-DAB/DAJ
7386	COMPRESSOR POWER SYNTH 150	Exceeds: DIN 51506 VDL, ISO 6743-3-DAB/DAJ
7415	TURBINE POWER 32	Exceeds: ASTM D4304 Type II, DIN 51515 TD/TG, ISO 8086 TSE/TGE/TSA/TGA, ALSTOM HTGD 90117 V, GEK 32568E/32568F/46506D/28143A/107395A/101941A, Solar ES 9-224, Class II, Siemens TLV 9013 04, ALSTOM HTGD 90117W
7418	TURBINE POWER 46	Exceeds: ASTM D4304 Type II, DIN 51515 TD/TG, ISO 8086 TSE/TGE/TSA/TGA, ALSTOM HTGD 90117 V, GEK 32568E/32568F/46506D/28143A/107395A/101941A, Solar ES 9-224, Class II, Siemens TLV 9013 04, ALSTOM HTGD 90117W

Hydraulic Oils

Code	Product name	Specifications
7350	HYDRA POWER 15	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603, ISO 11158HM, Vickers M-2950, I-286-S, US Steel 127, 136
7351	HYDRA POWER 22	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603, ISO 11158HM, Vickers M-2950, I-286-S, US Steel 127, 136
7352	HYDRA POWER 32	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603, ISO 11158HM, Vickers M-2950, I-286-S, US Steel 127, 136, Denison HF-0, Cincinnati P-68
7354	HYDRA POWER 46	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603, ISO 11158HM, Vickers M-2950, I-286-S, US Steel 127, 136, Denison HF-1, Cincinnati P-70
7356	HYDRA POWER 68	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603, ISO 11158HM, Vickers M-2950, I-286-S, US Steel 127, 136, Denison HF-2, Cincinnati P-69
7357	HYDRA POWER 100	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603, ISO 11158HM, Vickers M-2950, I-286-S, US Steel 127, 136
7359	HYDRA POWER PLUS 22	Exceeds: DIN 51524 Part 3 HVLP, AFNOR NFE 48-603, ISO 11158HV, Vickers M-2950, I-286-S, US Steel 127, 136
7358	HYDRA POWER PLUS 32	Exceeds: DIN 51524 Part 3 HVLP, AFNOR NFE 48-603, ISO 11158HV, Vickers M-2950, I-286-S, US Steel 127, 136, Denison HF-0, Cincinnati P-68
7360	HYDRA POWER PLUS 46	Exceeds: DIN 51524 Part 3 HVLP, AFNOR NFE 48-603, ISO 11158HV, Vickers M-2950, I-286-S, US Steel 127, 136, Denison HF-1, Cincinnati P-70
7362	HYDRA POWER PLUS 68	Exceeds: DIN 51524 Part 3 HVLP, AFNOR NFE 48-603, ISO 11158HV, Vickers M-2950, I-286-S, US Steel 127, 136, Denison HF-2, Cincinnati P-69
7355	HYDRA POWER PLUS 100	Exceeds: DIN 51524 Part 3 HVLP, AFNOR NFE 48-603, ISO 11158HV, Vickers M-2950, I-286-S US Steel 127, 136
7364	HYDRA POWER ZF 22	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM
7353	HYDRA POWER ZF 32	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM, Cincinnati P-68, Denison HF-0, Vickers M-2950-S, Vickers I-286-S
7365	HYDRA POWER ZF 46	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM, Cincinnati P-70, Denison HF-1, Vickers M-2950-S, Vickers I-286-S
7371	HYDRA POWER ZF 68	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM, Cincinnati P-69, Denison HF-2, Vickers M-2950-S, Vickers I-286-S
7373	HYDRA POWER ZF PLUS 22	Exceeds: DIN 51524 Part 3 HVLP, AFNOR NFE 48-603 HV, Vickers M-2950-S, Vickers I-286-S
7375	HYDRA POWER ZF PLUS 32	Exceeds: DIN 51524 Part 3 HVLP, AFNOR NFE 48-603 HV, Vickers M-2950-S, Vickers I-286-S, Denison HF-0, Cincinnati P-68
7363	HYDRA POWER ZF PLUS 46	Exceeds: DIN 51524 Part 3 HVLP, AFNOR NFE 48-603 HV, Vickers M-2950-S, Vickers I-286-S, Denison HF-1, Cincinnati P-70
7377	HYDRA POWER ZF PLUS 68	Exceeds: DIN 51524 Part 3 HVLP, AFNOR NFE 48-603 HV, Vickers M-2950-S, Vickers I-286-S, Denison HF-2, Cincinnati P-69
7366	HYDRA POWER HLPD PLUS 46	Exceeds: DIN 51524 Part 3 HVLP, Daimler DBL 6721
7379	HYDRA POWER SYNTH 32	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM, ISO 11158 HM, Denison HF-0, Cincinnati P-68, Vickers M-2950-S, Vickers I-286-S
7383	HYDRA POWER SYNTH 46	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM, ISO 11158 HM, Denison HF-1, Cincinnati P-70, Vickers M-2950-S, Vickers I-286-S
7361	HYDRA POWER SYNTH 68	Exceeds: DIN 51524 Part 2 HLP, AFNOR NFE 48-603 HM, ISO 11158 HM, Denison HF-2, Cincinnati P-69, Vickers M-2950-S, Vickers I-286-S
7424	HYDRA POWER BIO 46	Exceeds: DIN 51524 HVLP, CEC L33-T82 >90% in three weeks



Marine Oils

Code	Product name	Specifications
7452	HANSA CYLPOWER 5070	
7454	HANSA CYLPOWER 5040	
7456	HANSA SYSPower 3008	
7458	HANSA POWER 312	Exceeds: API CF
7460	HANSA POWER 315	Exceeds: API CF
7462	HANSA POWER 412	Exceeds: API CF
7464	HANSA POWER 415	Exceeds: API CF
7465	HANSA POWER 320	Exceeds: API CF
7471	HANSA POWER 420	Exceeds: API CF
7466	HANSA POWER 3030	
7468	HANSA POWER 3040	
7470	HANSA POWER 3055	
7472	HANSA POWER 4030	
7474	HANSA POWER 4040	
7475	HANSA POWER 4050	
7476	HANSA POWER 4055	
7478	HANSA MULTI POWER 15W-40	Exceeds: API CG-4/CF, MB 228.3, MAN M 3275, ACEA E2 (level), Volvo VDS, MTU Type 2, MACK EO-L

Railroad Engine Oils

Code	Product name	Specifications
7271	RAILROAD POWER 413	Exceeds: API CF / CF-2, LMOA Generation 5, EMD of General Motors, GE as Generation 4 Long Life Oils, GE Diesel Engines

Heat Transfers Oils

Code	Product name	Specifications
7389	THERMPOWER 32	

Slideway Oils

Code	Product name	Specifications
7367	SLIDEWAY POWER 32	Exceeds: ISO 6743-4 HG, ISO 6743-13 GA
7368	SLIDEWAY POWER 68	Exceeds: ISO 6743-4 HG, ISO 6743-13 GA
7369	SLIDEWAY POWER 220	Exceeds: ISO 6743-4 HG, ISO 6743-13 GA

Specialties

Code	Product name	Specifications
7422	BLUEPOWER	Exceeds: DIN 70 070
7319	PSF POWER SYNTH	Exceeds: MAN M 3289, BMW 81 22 9 407 758, BMW 82 11 1 468 041, BMW 83 29 0 429 576, Ford M2C204A, OPEL 1940 715, OPEL 1940 766, PSA S 71 2710, VW TL 521 46 (G 002 000/A7/A8, G 004 000), MB 345.0
7393	LHM FLUID	Exceeds: PSA B71 2710, ISO 7308

Disclaimer

Data mentioned in this Product Guide are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The information given in this Product Guide is based on past history of the grade only and must not be construed as a guarantee of performance. Always follow the Original Equipment Manufacturer's recommendations for performance level, viscosity grade and oil drain interval. The Product and Safety Data Sheets for the products are available on our website: www.northsealubricants.com Text and printing errors reserved.

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The logo graphic consists of a stylized wave shape. The top curve is yellow, and the bottom curve is dark blue. The wave is positioned to the right of the text 'LUBRICANTS'.

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