# BASINOL®

HIGH-TECH MADE IN GERMANY

## ENGINE OILS
## TRANSMISSION FLUIDS
## PERFORMANCE ADDITIVES
## INDUSTRIAL LUBRICANTS

**MADE IN GERMANY**
Developed
Manufactured
Bottled
100% in Germany

**PRODUCT CATALOG**

# BASINOL® Lubricants – keeping your business in motion

The BASINOL brand represents high-tech lubricants of the highest quality, proudly bearing the “Made in Germany“ seal. Whether it‘s engine oils for passenger cars, commercial vehicles, marine applications, industrial transmission oils, gas engine oils, or lubricants for turbines – every BASINOL product is manufactured, bottled, packaged, stored, and shipped exclusively from Germany to destinations around the globe.

Our success is driven by an experienced team, extensive expertise, forward-thinking innovation, and cutting-edge production facilities. When it comes to optimal lubrication, maximum reliability, and top-tier quality, BASINOL lubricants are the premier choice.

Our rigorous quality management system ensures consistently high standards across every stage, from production to shipping. We offer a comprehensive range of lubricants, including engine oils for cars and trucks, racing and marine oils, gear oils for automatic and manual transmissions, greases, and high-performance lubricants for industrial applications.

Should you have any questions regarding our products, please feel free to contact us. We look forward to assisting you.

MADE IN GERMANY
Developed
Manufactured
Bottled
100% in Germany

Fabricated, bottled, packaged, stored, and delivered exclusively from Germany to clients globally.

EELQMS

Authorization to claim ACEA specifications and commitment to compliant engine lubricants.

Zertifizierte Qualität
IQM
Zertifizierungsinstitut des IQM e.V. München
www.qm-germany.de
ISO 9001 & 14001

Quality and Environmental Management certified according to DIN EN ISO 9001 and 14001.

BASINOL
PREMIUM
0530 PRO

BASINOL
TEAM OF THE WEEKEND

BASINOL

BASINOL
1040 PLUS

BASINOL
BASINOL
DEKRA
12
P3
ADAC

BASINOL
EVOLUTION
SPORT
1060
macrix

# Discover BASINOL® – your guide to the right engine oil

Selecting the right engine oil is essential and must follow the guidelines outlined in your vehicle's operating manual. In the section titled „Engine Oil," manufacturers specify the approved oils for use in your engine. These specifications typically include details such as:

**– viscosity and/or SAE-grade**
**– approvals**
**– specifications.**

BMW, Fiat-Iveco, Ford, GM, Mack, MAN, Mercedes-Benz, MTU, Porsche, PSA, Renault, Scania, Volvo and VW have their own approvals for engine oils. Other manufacturers use international specifications like ACEA and API. The approvals and specifications have different combinations of numbers and/or letters. These combinations indicate the oil type. Thus the respective details are given on all BASINOL packages and in this catalog.

## The combinations of numbers and letters are easy to understand

**Viscosity** – it describes the flow behaviour of the oil. Engine and transmission oils are classified into SAE grades (Society of Automotive Engineers). Modern multi-grade oils from BASINOL are all season oils. They provide a reliable lubrication at all temperatures.

**API** – the American Petroleum Institute issues classifications for engine oils. It mainly tests the oils on engines of American manufacturers. Japanese manufacturers usually follow the API standards and rarely have their own norms.

**ACEA** – is the name of the association of European engine manufacturers (Association des Constructeurs Européens d'Automobiles). It draws up specifications for engine oils which are based on strictest European test methods. Thus, the specifications of ACEA sum up the requirements on engine oils shared by the European vehicle manufacturers.

## Research & Development

We are known for technical innovation and high-quality products, with BASINOL's unique formulations and tailor-made processes for our different products used worldwide. In addition to developing customer-focused products, we provide expert consultation on the optimal use of our lubricants, supported by our engineers' deep knowledge across various industries.

# Passenger cars

Passenger cars equipped with modern exhaust treatment systems (as for instance diesel particulate filters) require special engine oils in order to prevent their blocking. Depending on the permitted content of the ash-forming additives sulphated ash, phosphorus and sulphur they are divided into Low and Mid SAPS oils and classified according to ACEA C.

| ACEA sequence | Ash content | Overview vehicle types* |
|---|---|---|
| C1 (removed, valid through 2023) | Low SAPS | Mitsubishi, Mazda, Land Rover |
| C2 | Mid SAPS | PSA, Toyota, Subaru, Honda, Mitsubishi, Fiat |
| C3 | Mid SAPS | VW-Group, BMW, Mercedes-Benz, Nissan (until the end of 2009), Kia, Hyundai, Suzuki, Mitsubishi, Opel, Subaru, Chevrolet, Fiat |
| C4 | Low SAPS | Renault, Nissan |
| C5 | Mid SAPS | Mercedes-Benz, Jaguar Land Rover, Renault, Nissan, Volvo |
| C6 NEW! | Mid SAPS | High-performance engines with exhaust aftertreatment, oils with lowered HTHSV (2.6 mPas), increased protection against LSPI, turbocharger wear and deposits |

* These are typical recommendations; please follow the instructions of your vehicle manufacturer according to your operating manual. The overview just gives a selection of vehicle types and is not exhaustive.

# Motor trucks

In the last years, new emission standards for **heavy duty vehicles** and **mobile machinery** came into effect in Europe and the United States step by step. In order to achieve these increasingly strict standards, vehicle manufacturers employ modern engine technologies and exhaust treatment systems. Such systems require engine oils with a low content of ash-forming substances, so-called Low and Mid SAPS oils. Naturally, these complex requirements are reflected in the specifications of vehicle manufacturers.

**API CK-4** engine oils meet the latest emission standards and are specifically designed to protect diesel particulate filters and other exhaust aftertreatment systems. With **API FA-4**, an additional specification for engine oils with lowered HTHS-V has been introduced in order to meet the legal requirements regarding fuel and exhaust gas savings. This specification is not backwards compatible. In Europe, modern Low and Mid SAPS oils for use in vehicles with exhaust aftertreatment systems are classified according to **ACEA E4, E7, E8 and E11** depending on their content of ash-forming components.

## Differences and similarities – a short overview

| | ACEA E4 | ACEA E8 | ACEA E7 | ACEA E11 |
|---|---|---|---|---|
| Low SAPS | | ● | | ● |
| Content Sulphated ash | ≤ 2 | ≤ 1 | ≤ 2 | ≤ 1 |
| Total Base Number | ≥ 12 | ≥ 7 | ≥ 9 | ≥ 7 |
| Euro VI | | ● | | ● |
| Diesel particulate filter | | ● | | ● |
| Selective catalytic reduction (AdBlue) Exhaust gas recirculation | ● | ● | ● | ● |
| Extended service intervals | | ● | | |
| Fuel B05 | ● | ● | ● | ● |
| API CK-4 | | ● | | ● |

# High-tech lubricants of maximum quality from BASINOL®

## BASINOL® characteristics

- Increased engine protection
- Optimum operational performance
- Extended oil change intervals
- Fuel and cost savings
- Reduction of $CO_2$ emissions
- Optimum engine and transmission hygiene

# Engine oils for cars and vans

| BASINOL | SAE | Specifications | Fulfills | Product description |
|---|---|---|---|---|
| **Premium Eco 0-8** NEW | 0W-8 | JASO GLV-1 | Daihatsu, HAVAL, Honda, Hyundai, Isuzu, Kia, Lexus, Mazda, Mitsubishi, Nissan, Subaru, Suzuki, Toyota, Wuling | A fully synthetic, ultra-low viscosity engine oil that reduces friction, wear, and fuel consumption while meeting JASO GLV-1 standards for modern gasoline and hybrid vehicles. |
| **Premium Eco 012** NEW | 0W-12 | NON-STOP HYBRID PROTECTION | BMW 83215B5C945/BMW LONGLI-FE-22 FE++, Daihatsu, HAVAL, Honda, Hyundai, Isuzu, Kia, Lexus, Mazda, Mitsubishi, Nissan, Subaru, Suzuki, Toyota, Wuling | A long-life synthetic low-friction engine oil (SAE 0W-12) developed for hybrid vehicles, providing protection against fuel dilution, water emulsion, start-stop cycles, and ensuring cleanliness and durability. |
| **Premium 016 LX** | 0W-16 | API SQ, ILSAC GF-7B | Daihatsu, HAVAL, Honda, Hyundai, Isuzu, Kia, Lexus, Mazda, Mitsubishi, Nissan, Subaru, Suzuki, Toyota, Wuling | This synthetic low-friction SAE 0W16 engine oil is designed for select Japanese gasoline engines, minimizing friction and fuel consumption while ensuring excellent cold start performance and enabling extended oil change intervals per manufacturer recommendations. |
| **Premium 020 PRO** | 0W-20 | ACEA C6/C5, API SP/SN Plus/SN RC, ILSAC GF-5, ILSAC GF-6A | BMW Longlife-14FE+/17FE+, Chrysler MS 12145, Daihatsu, Fiat 9.55535-GSX, Ford M2C 947-B1, M2C 962-A, HAVAL, Honda, Hyundai, Isuzu, Jaguar STJLR.03.5006, Kia, Land Rover STJLR.03.5006, Lexus, Mazda, MB 229.71/229.72, Mitsubishi, Nissan, Opel/Vauxhall OV 0401547-A20, Subaru, Suzuki, Toyota, Volvo VCC RBS0-2AE, Wuling | This synthetic low-friction engine oil enhances fuel economy and protects modern gasoline and diesel engines, including those with exhaust gas aftertreatment systems. It meets API SN Plus specifications to prevent LSPI damage in GDI engines and is compatible with biofuels and ACEA A1/B1 requirements. |
| **Premium Longlife ECO 020** | 0W-20 | ACEA C5/C6, API SN Plus, API SP RC, ILSAC GF-6A | Volkswagen 508.00/509.00/TL 52577, FORD WSS-M2C956-A1, Porsche C20 | This synthetic low-friction engine oil for gasoline and diesel engines is tailored for the latest VW/Audi models, providing excellent cleanliness and wear protection with SAE 0W-20 viscosity. It meets VW specifications 508 00 and 509 00 and should not be mixed with conventional oils. |
| **Premium Energy 020 EvoGreen** NEW | 0W-20 | API SN Plus/SN RC/ SP RC & API SQ, ILSAC GF-5/GF-6A/ GF-7A | Chrysler MS 6395, Fiat 9.55535-CR1/ 9.55535-GSX, Ford M2C 947-B1/ M2C 962-A1, GM 6094M/dexos1™Gen3 | Our BASINOL Premium Energy 020 EvoGreen represents the next generation of BASINOL lubricant technology – visibly green, measurably efficient and technically superior. |
| **Premium Energy 020** | 0W-20 | API SN Plus/SN RC/ SP RC & API SQ, ILSAC GF-5/GF-6A/ GF-7A | Chrysler MS 6395, Fiat 9.55535-CR1/ 9.55535-GSX, Ford M2C 947-B1/ M2C 962-A1, GM 6094M/dexos1™Gen3 | This synthetic engine oil for gasoline hybrid vehicles offers year-round use, meets strict EURO emissions standards, and reduces CO2 pollution. It provides up to 3.1% fuel savings and ensures safe cold starts with minimal wear. |
| **Premium Longlife 030 PRO** | 0W-30 | ACEA C3, API SN | BMW Longlife-04, Mercedes-Benz: MB-229.31/229.51/229.52, Volkswagen 504.00/507.00, Porsche C30 | This synthetic low-friction engine oil for gasoline and diesel engines minimizes friction and fuel consumption, extends oil change intervals, and enhances diesel particle filter life while ensuring excellent cold start properties and high engine protection. |
| **Premium 030 LA** | 0W-30 | ACEA C2, API SN Plus, API SP, API SP RC, ILSAC GF-5/ GF-6A | BMW Longlife-12 FE, DTFR 15D100, Fiat 9.55535-DS1/9.55535-GS1, Ford M2C 950-A, Mercedes-Benz: MB 227.61/ MB 229.61, Suzuki, Volkswagen 530 35 | This synthetic low-friction engine oil for diesel engines with exhaust gas aftertreatment systems supports extended oil change intervals of up to 30,000 km, ensures engine cleanliness, and reduces emissions with its low SAPS content. |
| **Premium 040 SX** | 0W-40 | ACEA A3/B4, API SN | BMW Longlife 01, Mercedes-Benz: MB 229.3/229.5, Porsche A40, Renault RN 0700/0710, Volkswagen 502.00/505.00 | This synthetic low-friction engine oil for gasoline and diesel engines is an advanced multigrade motor oil formulated with synthesis technology and PAO base oils, providing excellent performance and a naturally high viscosity index. |
| **Premium Energy 0520** | 5W-20 | API SP Plus Resource Conserving, ILSAC GF-5/GF-6 | Fiat 9.55535-CR1, Ford WSS-M2C930-A/ WSS-M2C945-A/M2C960-A, Chrysler MS 6395 | This fuel-saving SAE 5W-20 engine oil features reduced HTHS viscosity, providing excellent cold start performance and wear protection with high-quality base oils and optimized additives. It is designed for modern passenger cars and vans, particularly Asian and American vehicles, offering significant fuel-saving potential. |
| **Premium 0530 PRO** | 5W-30 | ACEA C3, API SP/SN Plus/SQ | **Approval: Mercedes-Benz: MB 229.52** Fulfills: BMW Longlife-04, Mercedes-Benz: MB 229.31/229.51, Volkswagen 504.00/507.00, Porsche C30 | This ultra-high-performance engine oil offers excellent cold start behavior, high wear protection, and supports oil change intervals of up to 50,000 km, compatible with modern diesel and gasoline engines. |
| **Superior 0530 EvoGreen** NEW | 5W-30 | API SN/SN Plus/SP/ SP RC & API SQ, ILSAC GF-5/GF-6A/ GF-7A | VW VWC 53034, Fiat 9.55535-CR1, Ford M2C 945-A, M2C 947-A, WSS-M2C929-A/WSS-M2C946-A/B1/ WSS-M2C961-A1, GM 6094M, dexos1™Gen3, Jaguar, Mitsubishi, Toyota, Honda, Suzuki, Chrysler MS 13340/MS 6395, Hyundai/Kia, Lexus | Our BASINOL Superior 0530 EvoGreen represents the next generation of BASINOL lubricant technology – visibly green, measurably efficient and technically superior. |
| **Superior 0530** | 5W-30 | API SN/SN Plus/SP/ SP RC & API SQ, ILSAC GF-5/GF-6A/ GF-7A | Chrysler MS 6395, Daihatsu, Fiat 9.55535-CR1, Famur, Ford M2C 945-A/ M2C 947-A/WSS-M2C929-A/M2C946-A/ B1/M2C946-A/WSS-M2C961-A1, GM 6094M/dexos1™ Gen3, HAVAL, Honda, Hyundai, Isuzu, Kia, Lexus, Mazda, Mitsubishi, Nissan, Subaru, Suzuki, Toyota, VW VWC 53035, Wuling | This synthetic multigrade engine oil for gasoline engines, including turbo and direct-injection models, offers excellent cold start performance and high fuel efficiency. It meets the ILSAC GF-7A standard, making it suitable for modern passenger cars and extended oil change intervals while providing strong protection against sludging and corrosion. |

# Engine oils for cars and vans

| BASINOL® | SAE | Specifications | Fulfills | Product description |
|---|---|---|---|---|
| **Power Longlife 0530** | 5W-30 | ACEA C3, API SN | BMW Longlife 04, Mercedes-Benz: MB 229.31/229.51, Fiat 9.55535-S3, Porsche C30, Volkswagen 504.00/507.00 | This fuel-saving SAE 5W-30 engine oil provides excellent wear protection and engine cleanliness, designed for modern gasoline and diesel engines, including turbo models. It supports extended oil change intervals of up to 50,000 km or 2 years while maintaining exhaust gas cleaning systems in diesel engines. |
| **Power Syn 0530 C4** | 5W-30 | ACEA C4 | Fiat 9.55535-S4, Mercedes-Benz: MB 226.51/MB 229.31/MB 229.51, Renault RN 0720, Suzuki | This synthetic low-friction engine oil is designed for gasoline and diesel engines, including vans, and is suitable for vehicles with exhaust gas aftertreatment. It meets Renault specification RN0720 and is ideal for extended oil change intervals, featuring a low SAPS content that helps prolong the life of diesel particulate filters. |
| **Premium Longlife 0530 DX** | 5W-30 | ACEA C2/C3, API SN/CF | Mercedes Benz: MB 229.31/229.51/ 229.52, BMW Longlife-04, Volkswagen 502.00/505.00/505.01, Fiat 9.55535-S3, Opel/Vauxhall OV 0401547, GM dexos2™ | This lightweight fuel-efficient SAE 5W-30 engine oil offers excellent cold start and warm-up performance, extending the life of diesel particulate filters. It is designed for modern GM Group vehicles and the latest Euro 4 and Euro 5 diesel and gasoline engines, including petrol, E85, CNG, and LPG. |
| **Premium High 0540 PRO** | 5W-40 | ACEA A3/B4, API SP/CF, JASO MA | **Approval: Mercedes-Benz: MB 229.5** Fulfills: BMW Longlife-01, Renault RN 0700/0710, VW 502.00/505.00, PSA B71 2296, Porsche A40 | This fuel-saving SAE 5W-40 engine oil provides maximum protection and extended engine life, with excellent fuel-saving potential. It is designed for modern, powerful passenger cars and vans, including those with turbo engines, catalytic converters, and common rail injection technology. |
| **Premium 0540 C3** | 5W-40 | ACEA C3, API SN/CF | Fiat 9.55535-S2, Ford M2C 917-A, BMW Longlife-04, GM dexos2™, Mercedes-Benz: MB 229.31/229.51, Porsche A40, Renault RN 0700/0710, Volkswagen 502.00/505.01 | This low-viscosity synthetic oil is designed for gasoline and diesel engines with exhaust gas aftertreatment systems, including those with diesel particulate filters. It meets the latest OEM requirements and is particularly suitable for pump-nozzle diesel engines in cars. |
| **Power High 0540 EvoGreen** NEW | 5W-40 | ACEA A3/B4, API SN/CF | MB 226.5/229.1H/229.3/229.5, BMW Longlife-01, VW 502.00/505.00, GM-LL-B-025, Renault RN 0700/ RN 0710, PSA B71 2296/B71 2300 | Our BASINOL Power High 0540 EvoGreen represents the next generation of BASINOL lubricant technology – visibly green, measurably efficient and technically superior. |
| **Power High 0540** | 5W-40 | ACEA A3/B4, API SN/CF | BMW Longlife-01/Longlife-98 - obsolet, Fiat 9.55535-H2/9.55535-M2/ 9.55535-N2, GM -LL-B-025, MB 229.3, Porsche A40, PSA B71 2296, Renault RN 0700/RN 0710, VW 502.00/505.00 | This versatile engine oil is formulated for modern gasoline and diesel engines, including those with turbochargers in cars and vans. It uses high-quality solvent-refined base oils and advanced synthesis technology, enhanced by specially developed additives for excellent performance. |
| **Evolution Sport 0550** | 5W-50 | ACEA A3/B4, API SN/CF | MB 229.3, BMW Longlife-01, VW 501.01/505.00, Fiat 9.55535-H2/ 9.55535-M2, GM-LL-B-025, Porsche A40 | This SAE 5W-50 engine oil offers fuel savings and uses high-quality base oils with optimized additives for cleanliness and wear protection. It's suitable for modern petrol and diesel passenger cars, including turbo models, as well as air-cooled and water-cooled four-stroke motorcycles. |
| **Evolution Sport 1060** | 10W-60 | ACEA A3/B4, API SN/CF | BMW Longlife-01/M-models, Mercedes-Benz: MB 229.3, Volkswagen 505.00/501.01 | This synthetic low-friction engine oil is designed for modern gasoline and diesel engines, including turbocharged models. Formulated with high-quality synthetic base oils and effective additives, it serves as a universal, fuel-saving solution for cars and vans. |
| **Power Syn 1030** | 10W-30 | ACEA A3/B4, API SN/CF | Mercedes Benz: MB 229.1, Volkswagen, Toyota, HONDA, Mitsubishi, MAZDA, Suzuki, Isuzu, Subaru, Daihatsu, KIA, Hyundai, SsangYong, Daewoo | This multigrade motor oil is made from high-quality solvent-refined base oils and enhanced with carefully selected additives for excellent performance. It is a universal, fuel-saving synthetic oil suitable for gasoline and diesel engines, including turbocharged models, in cars and vans. |
| **Power Syn 1040 Plus EvoGreen** NEW | 10W-40 | ACEA A3/B4, API SN/CF | Fiat 9.55535-D2/G2, Mercedes-Benz: MB 226.5/229.1/229.3, PSA B71 2300, Renault RN 0700/0710, Volkswagen 501.01/502.00/505.00 | Our BASINOL POWER SYN 1040 PLUS EvoGreen represents the next generation of BASINOL lubricant technology – visibly green, measurably efficient and technically superior. |
| **Power Syn 1040 Plus** | 10W-40 | ACEA A3/B4, API SN/CF | Fiat 9.55535-D2/G2, MB 229.1H, Renault RN 0700/RN 0710, VW 501.01/505.00 | This versatile engine oil is designed for modern petrol and diesel engines, including turbocharged models. It meets ACEA A3/B4-08 and Euro 4 standards, offering low ash formation, high aging resistance, and year-round usability. |
| **Power Syn 1040** | 10W-40 | ACEA A3/B4, API SM/CF | Mercedes-Benz: MB 229.1, Volkswagen 501.01/505.00, | This multi-grade engine oil in SAE 10W-40 features high-quality base oils and additives for excellent dispersion, corrosion, and wear protection. It's suitable for passenger car petrol and diesel engines, offering good cold-start performance even in harsh winter conditions down to -25°C. |

All BASINOL® engine oils can be used in both gasoline and diesel engines, they are also suitable for vehicles with turbochargers and catalytic converters.
Please follow the instructions of your vehicle manufacturer!

# *Engine oils for commercial vehicles and stationary systems*

| BASINOL® | SAE | Specifications | Fulfills | Product description |
|---|---|---|---|---|
| **Truck Longlife 0530 Premium** | 5W-30 | ACEA E11/E6/E7/ E8/E9, API CK-4/ SN, JASO DH-2 | **Approval: DTFR 15C100/15C120** DEUTZ TTCD-Motoren/DQC IV-18 LA, CAT ECF-3, Cummins CES 20086, DAF PSQL 2.1 E LD (long drain), DD DDC 93K222, DTFR 15C110, Ford WSS-M2C213-A1, IVECO 18-1804 Class TLS E9, Liebherr LH-00-ENG LA, Mack EOS-4.5, MAN M 3271-1/M 3477/M 3677/M 3775/M 3777, Mercedes-Benz: MB 228.31/MB 228.51/MB 228.52, MTU oil category 3.1, Renault RLD-3, Scania LDF-4/LDF-LA (Low Ash), Volvo VDS-4.5 | This low-friction, low-ash engine oil for commercial vehicles extends oil change intervals, enhances engine protection, and reduces fuel consumption and emissions. Designed for Euro V and VI standards, it maintains emission control effectiveness and prevents diesel particulate filter clogging. |
| **Truck Longlife 1040 Superior** NEW | 10W-40 | ACEA E11/E9/E8/E7/ E6, API CI-4/CI-4 Plus/CJ-4/CK-4/SN, JASO DH-1/DH-2 | Allison C4, CAT ECF-1a/ECF-2/ECF-3/ TO-2, CNH MAT 3571/MAT 3572, Cummins CES 20076/CES 20077/ CES 20078/CES 20081/CES 20086/ CES 20092, DAF EXTENDED DRAIN, DD DFS 93K215/DFS 93K218/DFS 93K222, DEUTZ DQC IV-10 LA/ DQC IV-18 LA/TTCD-Motoren, DTFR 13D110/15C100/15C110/15C120, Ford WSS-M2C171-F1/IVECO 18-1804 Class T2 E7/18-1804 Class TLS E9, JD JDQ 78 X, Liebherr LH-00-ENG5C LA, Mack EO-M Plus/EO-N/EO-N Premium Plus/EO-O Premium Plus/EOS-4.5, MAN M 3271-1/M 3477/M 3575/M 3775, MB 228.51/228.52, MTU oil category 2.1/ oil category 3.1, Renault RGD/RLD/RLD-2/ RLD-3/RLD-4/RXD, Scania LDF-LA (Low Ash), Voith Retarder Typ B, Volvo VDS-3/VDS-4/VDS-4.5 | A high-quality engine oil designed for heavy-duty turbo-diesel engines, ensuring reliable lubrication, low-emission performance, and compatibility with modern exhaust after-treatment systems. |
| **Truck Longlife 1040 Premium LE** | 10W-40 | ACEA E11/E7/E8, API CK-4 | CAT ECF-3, Cummins CES 20081/CES 20086, DD DDC 93K222/DFS 93K218, DEUTZ DQC IV-10 LA, DTFR 15C110, IVECO 18-1804 Class TLS E9, Mack EOS-4.5, MAN M 3271-1/M 3477, MB 228.51, MTU Ölkategorie 3.1, Renault RLD-3, Scania LDF-LA (Low Ash), Volvo VDS-4.5/VDS-4.5 | Low-friction engine oil for diesel engines with exhaust after-treatment, compatible with Euro V and VI standards. Offers excellent oxidation stability and fuel savings throughout the oil change interval. Ensures reliable cold starts and reduces oil consumption with minimal evaporation loss. Ideal for heavy-duty commercial vehicles and turbo diesel engines. |
| **Truck Longlife 1040 Plus** | 10W-40 | ACEA A3/B4/E7, API CI-4/SL, Global DHD-1, JASO DH-1 | Allison C-4/TES 228, CAT ECF-1a, Cummins CES 20076/CES 20077/ CES 20078, DAF, DD DDC 93K215, DEUTZ DQC III-18, DTFR 13D100/15B110, Fiat 9.55535-D2/G2, IVECO 18-1804 Class T1/T2-E7, Mack EO-M Plus/ EO-N, MAN M 3275-1 (obsolet), Mercedes-Benz: MB-recommendation 228.3/MB-recommendation 229.1/ MB-recommendation 235.27, MTU Oil category 2, Renault RLD/RLD-2, Voith Retarder Typ A, Volvo VDS-3 (STD 417-0002) | This low-viscosity motor oil is suitable for petrol and diesel engines, including mixed fleets with turbochargers. It ensures reliable lubrication and cleanliness, allowing for extended oil change intervals. With a cold viscosity of SAE 10W for easy cold starts and SAE 40 for wear protection, it guarantees low oil consumption and fuel efficiency. |

# Engine oils for commercial vehicles and stationary systems

| BASINOL® | SAE | Specifications | Fulfills | Product description |
|---|---|---|---|---|
| **Truck Longlife 1540 Premium** | 15W-40 | ACEA E11/E9/E7, API CJ-4/CK-4/SN, JASO DH-2 | CAT ECF-3, Cummins CES 20086, DD DDC 93K222, DEUTZ DQC III-18 LA, DTFR 15C100, MB 228.31, JD JDQ 78 X, Komatsu KES 07851.2, Mack EOS-4.5, MAN M 3775, MTU oil category 2.1, Renault RLD-3/RLD-4, Volvo VDS-4.5 | This low-friction diesel engine oil is suitable for engines with exhaust aftertreatment. Its low SAPS formulation enhances cleanliness and wear resistance, ensuring reliable performance in warm climates. It meets specifications like Mack EO-S 4.5 and Renault RLD-4, is backward compatible with CJ-4 oils, and supports EURO IV, V, VI, and heavy off-road vehicle emissions. |
| **Truck Longlife 1540 Plus** | 15W-40 | ACEA A3/B4/E7, API CI-4/SL, Global DHD-1, JASO DH-1 | Allison C4, CAT ECF-1a/ECF-2, Cummins CES 20071/20072/20076/20077/20078, DD DFS 93K215, DEUTZ DQC III-18, DTFR 15B110, JD JDQ 78 A, Mack EO-N, MAN M 3275-1 (obsolet), Mercedes-Benz: MB 228.3/229.1, MTU DDC BR 2000/4000/Oil category 2, Renault RLD/RLD-2, Scania LDF, ZF TE-ML 07C, Volvo VDS-3 (STD 417-0002) | This SAE 15W-40 Heavy Duty Engine Oil offers excellent thermal stability and soot control for clean engines. It is suitable for trucks, heavy commercial vehicles in construction, agriculture, forestry, buses, and RME (biodiesel) applications. |
| **Turbo Power 1540** | 15W-40 | ACEA A2/B2/B3/E2/E3, API CG-4/SJ & SL | DEUTZ DQC-II-05, MAN 271 (obsolet), Mercedes-Benz: MB 228.1/229.1, Volvo VDS | This mineral oil-based universal engine oil is suitable for both gasoline and diesel engines. Its excellent shear stability and aging resistance make it ideal for year-round use in buses, commercial vehicles, passenger cars, and mixed fleets in industries such as construction and agriculture. |
| **Turbo Power 2050** | 20W-50 | ACEA A2/B2/E2/E3, API CG-4/SJ | DEUTZ DQC-II-05, MAN 271 (obsolet), Mercedes-Benz: MB 228.1/229.1, Volvo VDS | This mineral oil-based universal engine oil is designed for gasoline and diesel engines, including those with turbocharging. Its high additive content enhances detergent, dispersant, and anti-wear properties, providing reliable engine protection. Turbo Power 2050 is compatible with all mineral oil-based HD engine oils. |

# Universal tractor oils

| BASINOL® | SAE | Specifications | Fulfills | Product description |
|---|---|---|---|---|
| **Super STOU 1030** | 10W-30 | ACEA E3, API CG-4, API GL4, API SF, HVLP-D (ISO VG 46-100) | Ilison C-4/TES 228, Case IH MS 1204/1206/1207/1209, CAT TO-2, CNH MAT 3525, 3526, Ford ESN-M2C134-D/ESN-M2C86-B/M2C 134-C/M2C 159-B, John Deere JDM J20 C/JDM J27, MAN 271 (obsolet), Massey Fergusson M 1135/M 1139/M 1144, MIL -L-2104 C, New Holland 410B, Sperry Vickers/Eaton M2950-S, I-280-S, ZF TE-ML 03A/05K/06B/07B/07D | This multifunctional oil for agricultural and construction machinery ensures engine cleanliness, wear and corrosion protection, thermal stability, and reduces noise during shifting and braking, thanks to high-quality mineral raffinates and advanced additives. |
| **Super STOU 1040** | 10W-40 | ACEA E3, API CG-4/GL4/SF, DIN 51524 Part 3 (HVLP), HVLP-D (ISO VG 46-100) | ESN-M2C134-B/134-C, TE-ML 06A/06D/06F, Allison C-4/TES 228, Case IH MS 1206/1207/1209, CAT TO-2, CNH MAT 3525/3526, Fendt KDM 41.2011, Ford ESN-M2C134-D/M2C 159-B/159-C, John Deere JDM J20 C/J20 D/J27, MAN 271 (obsolet), Masse Fergusson M 1139/1143/1144/1145, Mercedes-Benz: MB-recommendation 227.1/228.1H (obsolet)/228.3, MIL -L-2104 C, New Holland 410B, ZF TE-ML 06B/06C/07B | This multifunctional SAE 10W-40 oil is designed for agricultural and construction machinery, supporting engines, hydraulic systems, and transmissions with shared oil supplies. It offers excellent cold-start behavior, meets SAE 80W-90 standards for gear oils, and ISO-VG 46-100 for hydraulics. Its advanced additives reduce noise and prevent stick-slip in power-shift clutches and wet brakes. |
| **Super STOU 1540** | 15W-40 | API CE/CF/CG-4/GL4/SF, CCMC G2/D4 | MIL-L-2104 D, 15B110 (228.3), TE-ML 06A/06D, Allison C-4/TES 228, CAT TO-2, Fendt KDM 41.2011, Ford M2C 134-D/159-B/86-A, John Deere JDM J27, MAN 271 (obsolet), Massey Fergusson M 1139/1143/1144/1145, Mercedes-Benz: MB-recommendation 227.1, New Holland 410B/FN iA, ZF TE-ML 06B/06C/07B | This multi-purpose SAE 15W-40 oil is tailored for agricultural, excavator, and construction machinery, providing year-round performance. It supports engines, transmissions, and hydraulic systems, and is suitable for gasoline and both naturally aspirated and turbocharged diesel engines, including wet brake systems. |

## Engine oils for motorcycle

| BASINOL® | SAE | Specifications | Fulfills | Product description |
|---|---|---|---|---|
| **Master 2T-Synth** | | API TC, ISO-L-EGD, JASO FD | Dolmar, Husqvarna, Piaggio, Stihl | This fully synthetic two-stroke engine oil is designed for water-cooled outboard and air-cooled engines, suitable for mixing ratios up to 1:100, and ideal for motorcycles, mopeds, racing karts, snowmobiles, and chainsaws, even in low temperatures. |
| **Master 2T-HS** | | API TC, Global GD, ISO -L-EGD, JASO FD | Dolmar, Husqvarna, Stihl | This HC synthesis two-stroke engine oil is designed for air and water-cooled engines, particularly for high-speed and heavy-load applications; it is a self-mixing oil suitable for both direct injection and non-direct injection two-stroke engines, including motorcycles with radiator cooling. |
| **Master 4T 1040** | 10W-40 | API SL (also with API SN on request), JASO MA/MA2 | | This semi-synthetic four-stroke motorcycle oil offers excellent cold start performance, wear and corrosion protection, and prevents clutch disc issues; it has been tested in collaboration with leading motorcycle manufacturers. |
| **Master 4T 1050** NEW | 10W-50 | API SN, JASO MA2 | | A high-performance engine oil for demanding 4-stroke engines, offering fuel efficiency, excellent cold-start performance, strong thermal stability, and long-lasting lubrication even under extreme conditions. |
| **Master 4T 1060** | 10W-60 | API SN, JASO MA/MA2 | | 4-stroke motorcycle oil with excellent cold start, wear protection, and smooth shifting. Ensures low friction and maximum performance for road and race track use. |
| **Master 4T 1550** | 15W-50 | API SL, JASO MA/MA2 | | This new generation synthetic four-stroke motorcycle oil, formulated with selected synthetic base oils and innovative additives, is designed to prevent slipping, sticking, and rough shifting of clutch discs; it has been tested in collaboration with leading motorcycle manufacturers. |

## Engine oils for ships and boats

| BASINOL® | Specifications | Fulfills | Product description |
|---|---|---|---|
| **Premium Marine 40 HB** | API CF | | This fuel-efficient SAE 40 engine oil has a TBN of 40, providing excellent wear and corrosion protection, high engine cleanliness for diesel engines, and an additional reserve for heavy fuel oil operations. |
| **Premium Marine 40 LB** | API CF | DEF STAN 91-22/2, MIL -L-2104 C | This fuel-efficient SAE 40 engine oil has a TBN of 15.5, offering excellent wear and corrosion protection, high engine cleanliness for diesel engines, and is specifically designed for use in plunger diesel engines operating on distillate fuels. |

# Function fluids

| BASINOL® | Specifications | Fulfills | Product description |
|---|---|---|---|
| **Antifreeze** | AFNOR N FR 15-601, AS 2108-2004, ASTM D 3306, BS 6580:2010, CUNA NC 956-16, SAE J 1034, UNE 26-361 – 88 | 29C100 (325.0), MAN 324 NF, Volkswagen TL 774-C (G11) | A nitrite-, amine-, and phosphate-free coolant concentrate based on ethylene glycol, with modern corrosion inhibitors, that protects against frost, corrosion, and cavitation in internal combustion engines; it is also suitable for aluminum and must be diluted with water before use. |
| **Antifreeze Plus** | AFNOR N FR 15-601, ASTM D 3306, ASTM D 4985, BS 6580:2010, CUNA NC 956-16, FFV Heft R443, JIS K 2234:2018, NATO S-759, Önorm V 5123, SAE J 1034, UNE 26-361 – 88 | DTFR 29C110, VW TL 774-D/F (G12+), MAN 324 SNF, DEUTZ DQC CB-14, Ford WSS-97B44-D/E, GM B 040 1065, Renault 41-01-001-D, DAF 74002, Cummins CES 14439, Komatsu KES 07.892.1, Toyota, Honda > 1983 / Motorbike, Opel / Vauxhall B 040 1065 | A silicate-, nitrite-, amine-, and phosphate-free coolant concentrate with OAT technology, ideal for aluminum engines, providing up to five years of protection against frost, corrosion, and cavitation, with coverage up to 250,000 km for cars and 500,000 km for commercial vehicles; must be diluted before use. |
| **Antifreeze Extra** | AAFNOR N FR 15-601, AS 2108-2004, ASTM D 1384, ASTM D 3306, ASTM D 4985, ASTM D 6210, BS 6580:2010, China GB 27943.1-2022, China GB 29743-2013, China GB 29743-2022, CUNA NC 956-16, FVV Standards FVV R 530:2005, JIS K 2234:2006, JIS K 2234:2018, Korean Standards KS M 2142, NATO S-759, Önorm V 5123, Polish Standard PN-C40007:2000, SAE J 1034, SAE J 1941, SAE J 814, SANS 1251:2005, Swiss Fed. Lab Empa 170'803, UNE 26-361 – 88 | BMW LC-18 > 01/2019 / LC-87, DEUTZ DQC CC-14, DTFR 29C100 / 29C120, Ford ESD-M97B49-A / M97 B44-D, WSS-M97B57-A1, IVECO 18-1830, JD > 2011 Liebherr LH-01-COL3A, MAN 324 Si-OAT / Si-OAT evo, MB 325.0 / 325.5 / 325.6, MTU MTL 5048, Opel all models, Perkins Porsche from year 1996, Renault all models / RNES-B-00014 v. 2.1, Scania TB 1451, Tesla all models, Volvo TR-1286083 / VCS-2 (STD 418-0007) / AB VCS-2 / Volvo Car (TR-31854114-002) / Volvo Car all models / Volvo Construction VCS-2 / Volvo Penta VCS-2, VW TL 774 L (G12 evo) / TL 774-C (G11) / TL 774-D (G12) / TL 774-F (G12+) / TL 774-G (G12++) / TL 774-J (G13) | A premium monoethylene glycol-based antifreeze with Si-OAT technology, combining organic acids and silicate for enhanced thermal stability and long-lasting corrosion protection in high-performance engines; compatible with most coolants and meeting standards from G12+ to G12evo. |
| **Brake Fluid DOT 4** | FMVSS 116 DOT 4, ISO 4925 Class 4, SAE J 1703, SAE J 1704 | | A polyglycol ether-based hydraulic fluid for brake and clutch systems, containing lubricants, corrosion inhibitors, and antioxidants, suitable for a wide range of vehicles; it is hygroscopic and should be stored in tightly sealed containers. |

# Additives

| BASINOL® | Advantages | Product description |
|---|---|---|
| **DIESEL VALVE & INJECTION Cleaner** | Restores the original power and performance. Improves drivability. Reduces polluting exhaust gas emissions and fuel consumption. | Eliminates deposits in fuel system, pump, injectors, and combustion chamber. |
| **PETROL VALVE & INJECTION Cleaner** | Improves the engine performance and provides a powerful and stable combustion process. | Ensures effective cleaning of valves, injector nozzles and the piston crown without dismantling. Removes operationally caused contamination in the entire fuel injection system. |
| **OCTANE BOOSTER** NEW | This additive protects valve seats on unleaded fuel, boosts octane by up to 3 points, and improves engine performance, starting, idling, and combustion. | Increases the octane number for low-octane fuels and engines with higher octane requirements. |
| **CETANE BOOSTER** NEW | This additive delivers powerful, clean combustion with improved engine performance, reduces exhaust and soot emissions, enhances cold starts, lowers noise, ensures smoother running, and optimizes fuel consumption. | Improves combustibility of the fuel, increases the cetane number of diesel by up to 5 points, and is recommended for lower fuel quality and winter use. |
| **CERAMIC SYSTEM PROTECTOR** NEW | Less running noise, reduced friction and wear ensure increased engine performance and optimized fuel consumption and exhaust gas emissions. | Advanced engine additive designed to boost performance and durability. Its ceramic technology reduces friction and wear, while significantly improving the emergency running properties of bearings and raceways. |
| **DPF Cleaner** | Protects the diesel particulate filter and the environment. Reduces soot formation and supports the regeneration of the diesel particulate filter. | High-performance additive for use in all diesel aggregates to reduce soot and exhaust gas emissions and to increase engine performance. |
| **ENGINE FLUSHING OIL** | Removes deposits and residues from piston rings, oil channels and housing walls as well as on hydraulic valve lifters and the valve train. The results are a improved and stable compression in all cylinders. | Suitable for use in all diesel and petrol engines with or without turbocharger. |

# Automatic-transmission oils (ATF)

| BASINOL® | Specifications | Fulfills | Product description |
|---|---|---|---|
| **Fluid ATF DEX. 3** | | Mercedes Benz: MB 236.10/MB 236.6, DTFR 13C100/13C120/13C140/13C170, MAN 339 V1/339 V2/339 Z1/339 Z2, CAT TO-2, GM DEXRON® III-H, Volvo 1161521/1161621/97341, ZF TE-ML 02F/TE-ML 03D/TE-ML 04D/TE-ML 05L/TE-ML 09B/TE-ML 14B/ TE-ML 16L/TE-ML 17C/TE-ML 21L, Allison C-4/TES 228/TES 389, Voith 55.6335.XX/ 55.6336.3X | This Dexron III transmission oil handles high loads and low temperatures with excellent aging stability, low evaporation, and shear stability. It ensures smooth shifting, noise-free operation, and reliable wear protection in extreme conditions, suitable for transmissions, steering systems, and hydraulic drives. |
| **Fluid ATF DEX. 6** | | Aisin Warner AW-1, ATF Type 3.0/Type 3.1, BMW ATF3+, Ford Mercon® LV/XT-6-DSP [SP]/ XT-6-QSP [SP], GM DEXRON® VI, Honda ATF DW-1, Hyundai NWS-9638, Hyundai/Kia SP-IV/ SP-IV RR/SPH-IV, ISUZU ATF WSI, Jaguar Fluid 8432, Mazda ATF FZ/FW 6A EL/FW 6AX EL, Mercedes-Benz: MB-Recommendation 236.12/236.14/236.41, Mitsubishi Dia Queen ATF J3/ATF PA, Nissan Matic S, Porsche 000 043 304 00, Shell 12108/134/3353/ M-1375.4, Toyota FZ/JWS 3324, Volvo 97342 (AT102), VW G 052 533/G 055 005 A/A2/G 055 540 A2/G 060 162, ZF LifeguardFluid 5/ LifeguardFluid 6 | This Dexron VI transmission oil is designed for automatic transmissions, steering systems, converters, and power transmissions requiring performance beyond Dexron II and III. Its advanced composition ensures a longer lifespan but is unsuitable for DSG, CVT, or Ford type F/G systems. The oil is colored red. |
| **Fluid ATF AG PRO** | | Acura 08200-9016A/ATF TYPE 3.0, BMW 83222152426/83225A12A00/ATF3+, Chrysler Dodge, Mopar 68157995AB/68218925AA, Fiat 9.55550-AV5, Honda 08200-9017, Jaguar 02JDE26444, Land Rover LR023288, MB 236.82, VW G 055 162/G 060 162, ZF TE-ML 11 | This fully synthetic transmission oil, designed for ZF 6, 8, and 9-speed automatic transmissions, ensures smooth operation and reliable performance. Its lower viscosity supports improved fuel efficiency, depending on the vehicle and driving conditions. |
| **Fluid ATF SG Plus** NEW | | Aisin Warner JWS 3324/TES 389, Chrysler ATF +3, Ford M2C 922-A1, GM DEXRON® II-D/ II-E/III-G/III-H, Honda ATF-Z1 (except in CVT), Hyundai SP-II/SP-III/SP-IV, Isuzu Besco Dexron II/III, Jaguar ATF 3403 JLM 20238/JML 20292/ JML 21044, JASO M 315 Type 1A, Kia SP-II/SP-III/SP-IV, Mazda ATF M-III, MB 236.10/236.11/2 36.12/236.14/236.3/236.5/236.6/236.7/236.8/ 236.9/236.91, Mitsubishi Dia Queen ATF SP-II/ Dia Queen ATF SP-III/Dia Queen ATF SP-IV, Nissan Matic D/J/K/S Fluid/Matic D/J/K/S Fluid, Subaru ATF-HP, Suzuki ATF Oil, Toyota ATF D-II/ ATF T/ATF T-III/ATF T-IV, Volvo 1161540, VW G 025 553/G 052 162/G 052 990/G 055 025, ZF TE-ML 11A/TE-ML 11B | This is a high-quality automatic transmission fluid based on selected base oils and premium additives, designed for various vehicle manufacturers and optimized to support fuel economy technologies. It maintains a constant friction coefficient over a long service life, offers excellent resistance to frictional vibrations, and sustainably improves shifting comfort. |
| **Fluid ATF CVT** | JASO M 358 | Chrysler CVTF+4/Jeep NS-2, Daihatsu Ammix CVT, Ford M2C 928-A, GM DEX-CVT, Honda HMMF/HCF2, Hyundai CVT-1/SP-III, Mazda JWS 3320, Mercedes-Benz: MB 236.20, Mitsubishi Dia Queen ATF CVTF-J1/SP-III, Nissan NS1 CVT/ NS2 CVT/NS3 CVT, Subaru (HT) CVTF/Chain CVTF/CVT-LV/ECVT/iCVT, Suzuki CVT Fluid Green 1/CVT NS-2/CVT TC, Toyota CVTF-TC / FE, VW G 052 180/G 052 516 | This high-performance synthetic transmission oil ensures optimal power transmission and excellent wear protection for CVT systems with chains or push link belts. Special additives enhance its reliability for continuously variable transmissions. |
| **Fluid ATF DCT** | | BMW DCTF-1/DCTF-1+/DCTF-2/LT-5, Borg Warner, Bugatti Veyron, Chrysler 68044345 EA & GA, DTFR 13C130, Ferrari TF DCT-F3, Fiat 9.55550-HE2 Ford M2C 218-A1/M2C 936-A, Hyundai/Kia, Mack 014617004, MB 236.21/236.22/236.24/236.25/239.21/ 239.22, Mitsubishi Dia Queen SSTF-1, Nissan Matic D/J/K/S Fluid, Porsche, ZF FFL-3, PSA 9734 S2, Renault DC 4/DW 5/DW 6/EDC, Volvo 1161838/1161839/D1/D2, VW G 052 182/ G 052 524/G 052 529/G 052 536/G 055 529/ G 055 536 | This synthetic dual-clutch transmission oil is designed for advanced systems, particularly those with a single oil supply for the clutch, synchronizers, gear set, and hydraulics. Its optimized additives ensure reliable performance under demanding conditions. |
| **Fluid ATF ULV** NEW | | AC Delco 10-4107, Aisin Warner AW-2, BMW 83 22 2 413 477, Ford 196825/2 179 795/ MERCON ULV – from model year 2017/10R80/ USA – 2 179 795/WSS-M2C949-A, GM 19352619/DEXRON ULV – from model year 2017/10L90, Motorcraft XT-12-QULV, VW G 060 540 | High-performance synthetic oil designed for modern 9- and 10-speed automatic transmissions; offers ultra-low viscosity for reduced friction and wear. Use only as specified by the manufacturer and do not mix with other ATFs. |

# Transmission oils

| BASINOL® | Specifications | Fulfills | Product description |
|---|---|---|---|
| **Gear MTF 75W80** | API GL4 | DAF, Eaton, IVECO 18-1807, MAN 341 E3/Z4/V-R, Renault, Volvo 97305/97307/37318, ZF TE-ML 01L/02L/16K | This synthetic low-friction gear oil (API GL4) is ideal for commercial vehicle manual transmissions, handling high loads and extending oil change intervals up to 500,000 km. It ensures optimal performance and enhances shifting comfort. |
| **Gear Oil 75W90 Hyp** | API GL4/GL5/MT-1 | MB 235.11/235.8, BMW 83229407768, OSP, SAF-XO, MAN 341 E3/341 Z2/342 S1, IVECO, Renault Trucks, Volvo 97312/97315, Scania STO 1:0, DAF Trucks (for extended oil change intervals), ZF TE-ML 12B/TE-ML 16F/TE-ML 17B/MIL-L-2105 D | This synthetic universal gear oil (GL4/GL5) is designed for manual transmissions and axles in commercial vehicles. It ensures smooth operation in synchronous gears and heavy-duty differentials, with excellent thermal stability and friction properties for demanding conditions. |
| **Gear Oil 80W90 Hyp** | API GL5 | DTFR 12B100, MAN 342 M2, Mercedes-Benz: MB 235.0, MIL-L-2105 D, ZF TE-ML 05A/12E/16B/17B/19B/21A | This hypoid gear oil (GL5) provides corrosion protection, wear reduction, and load-bearing properties for high-load manual and axle drives, ensuring reliable performance in both high and low temperatures. |
| **Gear Oil 85W90 Hyp** | API GL5 | DAF, DTFR 12B100, Ford M2C 9002-AA, MAN 342 M1 (obsolet)/342 M2, Mercedes-Benz: MB 235.0, MIL-L-2105 C/D, Voith 132.00374400, Volvo 97310, ZF TE-ML 16B/16C/17B/19B/21A | This mineral oil-based hypoid gear oil (GL5) provides corrosion protection, wear reduction, and load-bearing properties for high-load manual and axle drives, ensuring reliable performance in both high and low temperatures. |
| **Gear Oil 85W140 Hyp** | API GL5 | DAF, MIL-L-2105 C/D, Scania STO 1:0, Volvo 97310, ZF TE-ML 16D/ML 21A | This mineral oil-based hypoid gear oil (GL5) offers corrosion protection, wear reduction, and reliable performance for high-load manual and axle drives in both high and low temperatures. |

# Hydraulic oils

| BASINOL® | Specifications | Fulfills | Product description |
|---|---|---|---|
| **Hydraulic HLP10** | DIN 51524 Teil 2 (HLP), ISO 11158 (HM), ISO 6743-4 (HM) | Denison HF-0, MAG/Cincinnati Machine P-68/P-69/P-70, US Steel 127/136 | This refined mineral oil is designed for high-performance hydraulic systems, compatible with pumps, valves, and industrial transmissions. It exceeds DIN 51524/2 HLP standards. |
| **Hydraulic HLP22** | DIN 51524 Teil 2 (HLP), ISO 11158 (HM), ISO 6743-4 (HM), SS 155434-AM | Denison HF-0, MAG/ Cincinnati Machine P-68, MAG/ Cincinnati Machine P-69, MAG/ Cincinnati Machine P-70, US Steel 127, US Steel 136 | This mineral oil-based hydraulic oil offers aging and corrosion protection, ideal for high-performance systems and machine tool hydraulics, exceeding DIN 51524/2 HLP standards. |
| **Hydraulic HVLP32** | DIN 51524 Teil 3 (HVLP), ISO 11158 (HV), ISO 6743-4 (HV) | TE-ML 04R, Bosch Rexroth RE 90220-01, Eaton Vickers I-286 S | This high-viscosity hydraulic oil ensures reliable performance in extreme temperatures, with excellent wear and corrosion protection. |
| **Hydraulic HLP32** | AGMA 9005/E02, ASTM D 6158, DIN 51524 Teil 2 (HLP), ISO 11158 (HM), ISO 6743-4 (HM), SS 155434-AM | E-FDGN-TB002-E, M-2950-S, P041 HK Hadraulic Specification, TE-ML 04K, Denison HF-0/HF-1/HF-2, MAG/Cincinnati Machine P-68/P-69/P-70, SEB 181 222, US Steel 126/127 | This mineral oil-based hydraulic oil provides excellent aging and corrosion protection, ideal for high-performance hydraulic systems and machine tools. It exceeds DIN 51524/2 HLP standards. |
| **Hydraulic HVLP46** | DIN 51524 Teil 3 (HVLP), ISO 11158 (HV), ISO 6743-4 (HV) | TE-ML 04R, Bosch Rexroth RE 90220-01, Denison HF-0, Eaton Vickers I-286 S | This high-viscosity hydraulic oil ensures reliable performance in extreme temperatures, offering wear, corrosion, and oxidation protection. It meets HVLP and HLP standards. |
| **Hydraulic HLP46** | AGMA 9005/E02, ASTM D 6158, DIN 51524 Teil 2 (HLP), ISO 11158 (HM), ISO 6743-4 (HM), SS 155434-AM | Arburg, Denison HF-0/HF-1/HF-2, Eaton E-FDGN-TB002-E/M-2950-S, JCMAS P041 HK Hydraulic, Komatsu KES 07.841.1, MAG / Cincinnati Machine P-68/P-69 MAG/P-70, SEB 181 222, US Steel 126/127, ZF TE-ML 04K | This hydraulic oil, made from highly refined mineral base oils and additives, offers excellent wear protection. It is ideal for high-pressure systems, including pumps and machine tool hydraulics, and exceeds DIN 51524/2 HLP standards. |
| **Hydraulic HVLP68** | DIN 51524 Teil 3 (HVLP), ISO 11158 (HV), ISO 6743-4 (HV) | Bosch Rexroth RE 90220-01, Eaton Vickers I-286 S | This high-viscosity hydraulic oil provides reliable performance in extreme temperatures, with wear, corrosion, and oxidation protection, exceeding HVLP and HLP standards. |
| **Hydraulic HLP68** | AGMA 9005/E02, ASTM D 6158, DIN 51524 Teil 2 (HLP), ISO 11158 (HM), ISO 6743-4 (HM), SS 155434-AM | E-FDGN-TB002-E, M-2950-S, P041 HK Hadraulic Specification, Denison HF-0/HF-1/HF-2, MAG/Cincinnati Machine P-68/P-69/P-70, SEB 181 222, US Steel 126/127 | This hydraulic oil, made from highly refined mineral oils and additives, offers excellent wear protection. It is ideal for high-pressure systems, including pumps and machine tool hydraulics, and exceeds DIN 51524/2 HLP standards. |
| **Hydraulic HVLP100** | DIN 51524 Teil 3 (HVLP), ISO 11158 (HV), ISO 6743-4 (HV | Bosch Rexroth RE 90220-01 | This high-viscosity hydraulic oil offers reliable performance in extreme temperatures, with excellent wear, corrosion, and oxidation protection, exceeding HVLP and HLP standards. |
| **Hydraulic HLP100** | AGMA 9005/E02, ASTM D 6158, DIN 51524 Teil 2 (HLP), ISO 11158 (HM), ISO 6743-4 (HM) | E-FDGN-TB002-E, M-2950-S, P041 HK Hadraulic Specification, Denison HF-0/HF-1/HF-2, MAG/Cincinnati Machine P-68/P-69, SEB 181 222, US Steel 126/127 | This hydraulic oil is ideal for high-performance systems with high-speed pumps, offering excellent compatibility with bronze and steel. It is used in machine tool hydraulics and exceeds DIN 51524/2 HLP standards. |
| **Hydraulic HLP150** | DIN 51524 Teil 2 (HLP), ISO 11158 (HM), ISO 6743-4 (HM) | Denison HF-0, MAG/Cincinnati Machine P-68/P-69/P-70, US Steel 127 | This hydraulic oil is perfect for high-pressure systems, offering excellent wear protection and compatibility with bronze and steel. It exceeds DIN 51524/2 HLP standards. |

# Industrial gear oils

| BASINOL® | Specifications | Fulfills | Product description |
|---|---|---|---|
| **Gear EP 46** | DIN 51517 part 3 (CLP), ISO 12925-1, ISO 6743-6 (CKC) | SEB 181 226 | This zinc-free, mineral oil-based gear oil offers high pressure absorption, wear protection, and corrosion resistance. |
| **Gear EP 68** | DIN 51517 part 3 (CLP), ISO 12925-1, ISO 6743-6 (CKC) | SEB 181 226 | This zinc-free, mineral oil-based gear oil offers high pressure absorption, wear protection, and corrosion resistance. |
| **Gear EP 100** | DIN 51517 part 3 (CLP), ISO 12925-1, ISO 6743-6 (CKC) | SEB 181 226 | This zinc-free, mineral oil-based gear oil offers high pressure absorption, wear protection, and corrosion resistance. |
| **Gear EP 150** | DIN 51517 part 3 (CLP), ISO 12925-1, ISO 6743-6 (CKC) | | A zinc-free, mineral oil-based gear oil with additives for wear protection, corrosion prevention, and high-pressure absorption. |
| **Gear EP 220** | DIN 51517 part 3 (CLP), ISO 12925-1, ISO 6743-6 (CKC) | | Zinc-free, mineral oil-based transmission oil with wear protection and corrosion resistance. VDEh approved. |
| **Gear EP 320** | DIN 51517 part 3 (CLP), ISO 12925-1, ISO 6743-6 (CKC) | | Zinc-free, mineral oil-based transmission oil with wear protection and corrosion resistance. VDEh approved. |
| **Gear EP 680** | DIN 51517 part 3 (CLP), ISO 12925-1, ISO 6743-6 (CKC) | | Zinc-free, mineral oil-based industrial gear oil with high pressure absorption, wear protection, and corrosion resistance. VDEh approved. |
| **Gear Syn 150** | AGMA 250.0479005-D94, David Brown S1.53.101, DIN 51517 part 3 (CLP-HC), Flender, ISO 6743-6 (CKC), US Steel 224 | | Fully synthetic gear oil for high-stress gear drives and bearings. Longer service life, lower energy costs, and better low-temperature start-up. Operating temp: -40°C to +90°C, peak +150°C. Do not mix with other oils. |
| **Gear Syn 220** | AGMA 250.0479005-D94, David Brown S1.53.101, DIN 51517 part 3 (CLP-HC), Flender, ISO 6743-6 (CKC), US Steel 224 | | Synthetic oil for high-load transmissions and bearings, effective in extreme temperatures. Reduces maintenance, extends service life, and saves energy. Temperature range: -40°C to +150°C. Do not mix with other oils. |
| **Gear Syn 320** | AGMA 250.0479005-D94, David Brown S1.53.101, DIN 51517 part 3 (CLP-HC), Flender, ISO 6743-6 (CKC), US Steel 224 | | Fully synthetic gear oil for high-load gear drives and bearings. Offers longer oil change intervals, excellent high-temperature performance, and protection against micro-pitting. Compatible with mineral oils. |
| **Gear Syn 460** | AGMA 250.0479005-D94, David Brown S1.53.101, DIN 51517 part 3 (CLP-HC), Flender, ISO 6743-6 (CKC), US Steel 224 | | Synthetic gear oil for high-load drives and bearings. Longer service life, energy savings, and easy low-temp start-up. Temp range: -40°C to +90°C, peak +150°C. Do not mix with other oils. |
| **Gear Syn 680** | AGMA 9005/E02: EP, AIST 224, DIN 51517 Teil 3 (CLP-HC), ISO 12925-1 (CKC), ISO 12925-1 (CKD), ISO 12925-1 (CKE), ISO 6743-6 (CKC), ISO 6743-6 (CKD), ISO 6743-6 (CKE) | BA 7300, Table A | Fully synthetic gear oil for high-load drives and bearings. Longer oil life, cost savings, easy start-up in low temps, energy efficiency, and low maintenance. Temp range: -40°C to +90°C, peak +150°C. Do not mix with other oils. |

# Greases

| BASINOL® | Specifications | Fulfills | Product description |
|---|---|---|---|
| **EP 01** | DIN 51502, Type KP1K-30 | | High-quality multi-purpose grease with EP additives |
| **EP 02** | DIN 51502, Type KPF2K-30 | 267.1, 33B130, Achsen, STD 1277.18, Komatsu KES 07.868.1, MAN 284 Li-H 2, Mercedes-Benz: MB-recommenda-tion 265.1 | Temperature-resistant high-performance grease with EP additives |
| **EP 07** | DIN 51502, Type KP2K-30 | 33B120, Komatsu KES 07.881, Liebherr 9610, MAN 283 Li-P 2, Mercedes-Benz: MB-Empfehlung 267.0 | High-quality multi-purpose grease with EP additives |
| **EP 02 M** | DIN 51502, Type KPF2K-30 | | EP multi-purpose grease according to DIN 51502 (KPF2K-30) with solid lubricants |

# Compressor oils

| BASINOL® | Specifications | Product description |
|---|---|---|
| **VDL 32** | DIN 51506 (type VCL possession), (VDL), ISO 6743-3 (DAA), ISO 6743-3 (DAG), ISO 6743-3 (DAH) | Paraffin-based compressor oil, ideal for high-tem-perature compressors and oil circulation in bearings. Meets VBL and VCL requirements. |
| **VDL 46** | DIN 51506 (type VCL possession), (VDL), ISO 6743-3 (DAA), ISO 6743-3 (DAG), ISO 6743-3 (DAH) | Paraffin-based oil with high VI, aging resistance, ideal for compressors and circulation systems. Meets VBL/ VCL standards. |
| **VDL 68** | DIN 51506 (type VCL possession), (VDL), ISO 6743-3 (DAA), ISO 6743-3 (DAG), ISO 6743-3 (DAH) | Paraffin-based oil with high VI, aging resistance, sui-table for compressors and circulation systems. Meets VBL/VCL standards. |
| **VDL 100** | DIN 51506 (type VCL possession), (VDL), ISO 6743-3 (DAA), ISO 6743-3 (DAG), ISO 6743-3 (DAH) | Paraffin-based oil with high VI, aging resistance, suita-ble for high-temperature compressors and circulation systems. Meets VBL/VCL standards. |
| **VDL 150** | DIN 51506 (type VCL possession), (VDL), ISO 6743-3 (DAA), ISO 6743-3 (DAG), ISO 6743-3 (DAH) | Paraffin-based oil with high VI, aging resistance, suita-ble for high-temperature compressors and circulation systems. Meets VBL/VCL standards. |
| **VDL 220** | DIN 51506 (type VCL possession), (VDL), ISO 6743-3 (DAA), ISO 6743-3 (DAG), ISO 6743-3 (DAH) | Paraffin-based oil with high VI and aging resistance, ideal for high-temperature compressors and circula-tion systems. Meets VBL/VCL standards. |

# Metalworking oils

| BASINOL® | Product profile | Product properties / advantages | Application | Product description |
|---|---|---|---|---|
| **MW 24** | – free from boron, amine containing coolant concentrate<br>– free from formaldehyde donators | – produces stable emulsions in make-up water from 10 °dH to 30 °dH; emulsion in use is stable up to 60 °dH<br>– good cooling and detergency properties<br>– good corrosion protection | – Grinding // During implementing the polishing operation<br>– general machining | BASINOL MW 24 is a water emulsifiable metalworking fluid concentrate for grinding of cast iron, alloy as well as plain carbon steel and aluminium. |
| **MW 246** | – free from boron, amine containing coolant concentrate<br>– free from formaldehyde releasing bactericides<br>– polar lubricity improvers allow machining of aluminium | – stable emulsions in make-up water from 5 °dH to 30 °dH; fresh emulsion is stable up to 150 °dH<br>– low foaming emulsion in recommended make-up water<br>– excellent cooling and detergency properties<br>– very good technical stability giving long sump life<br>– good corrosion protection | – Grinding // During implementing the polishing operation<br>– general machining | BASINOL MW 246 is a water emulsifiable metalworking fluid concentrate that was specially developed for machining of aluminium. Its special additives and inhibitors enable the machining of conventional aluminum alloys such as e.g. 2024, 6061, 6082, 7075 and also proportionate yellow metal. |
| **MW 61** | – free from boric acid, amin containing coolant concentrate<br>– free from formaldehyde donors | – solution is soft and hard water stable<br>– good technical stability<br>– excellent cooling and detergency properties<br>– good corrosion protection<br>– universal coolant for both freestanding machines and central systems | – Grinding // During implementing the polishing operation<br>– light machining // During of performing cutting operations using low cutting modes | BASINOL MW 61 is a mineral oil-free, water-soluble metalworking coolant concentrate for grinding and light machining of alloy as well as plain carbon steel and cast iron. |

## Special solutions for cooling lubrication, forming and surface protection

We can meet the requirements of your customers on the basis of formulation concepts in all respects fulfill:

- ✓ Water miscible metalworking fluids for grinding and the production of balls and rolling elements of all kinds, for cutting and forming processes
- ✓ Non-water-miscible metalworking fluids (neat/straight oils): precision machining, grinding processes of balls and bearings, cutting and forming processes
- ✓ Process media for the entire process chain in bearing, automotive and automotive supply industry
- ✓ Forming lubricants for deep drawing, stamping, fine blanking, cold forging, tube drawing and hydroforming
- ✓ Rolling oils and water miscible rolling concentrates for cold and hot rolling
- ✓ Emulsifier and additive packages for customers and partners with their own blending facilities

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