

# Passenger Vehicle Lubricant Range

*MOVING YOUR WORLD*



# About FUCHS

FUCHS is a global brand with a German heritage that has developed, produced and sold lubricants and related specialties for more than 90 years. Comprising 71 operating companies (as of December 31, 2024) and more than 6,500 employees worldwide, the FUCHS Group is a leading independent supplier of lubricants.

The FUCHS product program comprises more than 11,000 products covering 25+ different industries including:

- Automotive Lubricants
- Mining Lubricants
- Industrial Lubricants
- Lubricating Greases
- Metal Processing Lubricants
- Food Processing Lubricants
- Special Application Lubricants; and
- Services

Along with its Sunshine (VIC) facility, FUCHS Lubricants (Australasia) Pty. Ltd. produces a selection of its products within its 25,000 square metre purpose built Beresfield (Newcastle, NSW) plant.

Keeping in line with its core values, both FUCHS facilities manufacture products using high-quality materials and cutting-edge technology whilst also adhering to industry leading environmental and manufacturing policies and requirements.

Working closely with its customers, FUCHS develops holistic, innovative and custom-made solutions for a variety of applications.

And while that means the company is perfectly positioned to respond to the immediate needs of its customers - particularly in emergency situations - it also proudly means jobs for Australians.

As a lubricant manufacturer, FUCHS stands for performance, sustainability, safety, reliability and efficiency.

**FUCHS LUBRICANTS. MOVING YOUR WORLD.**

## Wayne Hoiles

Regional Vice President  
Australasia, India, Southeast Asia, Japan & South Korea

## German Technology, Australian Commitment.

# 95%

of products sold in Australia and New Zealand are manufactured in Australia

# 1700

lubricants and related specialties

# 280

employees

# 2

world class production plants and laboratories being the only Australian manufacturer to produce lubricants, coolants, greases and additives



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# Understanding Engine Oil Specifications

Industry standard specifications are developed and constantly evolved to meet the needs of modern engine designs and applications. This guide explains what the most important engine oil specifications are and what they mean:

- SAE:** The following properties of an engine oil are described by SAE (Society of Automotive Engineers) grades. Taking the example of an SAE 0W-30 engine oil, the first numeral describes the viscosity at low temperatures. The smaller this number the better the oil flows at low temperatures to reach the important lubrication points in the engine. The second figure describes the viscosity at running temperatures.
- ACEA** The European ACEA (Association des Constructeurs Europeens d'Automobiles; aka European Automobile Manufacturers Association) specifications designate engine oil applications with letters:
- A for car gasoline engines
  - B for small-capacity diesel engines in cars, vans and transporters
  - C applicable to light duty diesel and gasoline engines where advanced aftertreatment systems are used.
  - E for commercial vehicle diesel engines
- API:** API (American Petroleum Institute) categories refer to American requirements and quality criteria, which engine oils must fulfil. The current API grades are SP for gasoline engines and C for commercial diesel engines.

## ACEA A GASOLINE ENGINES:

- A3/B4** Stable, stay-in-grade engine oil intended for use in passenger car and light-duty gasoline & diesel engines and/or for extended oil drain intervals where specified by the engine manufacturer
- A5/B5** Stable, stay-in-grade engine oil intended for use at extended oil drain intervals in passenger car and light-duty gasoline & DI diesel engines designed for low viscosity engine oils with HTHS viscosity of 2.9 to 3.5 mPa·s. These engine oils are unsuitable for use in certain engines - consult vehicle-OEM's owner's manual/handbook in case of doubt.
- A7/B7** Stable, stay-in-grade engine oil intended for use at extended oil drain intervals in passenger car and light-duty gasoline & DI diesel engines designed for low viscosity engine oils with HTHS viscosity of 2.9 to 3.5 mPa·s. Relative to A5/B5 these engine oils provide also low speed pre-ignition- and wear protection for turbocharged gasoline DI engines as well as turbocharger compressor deposit (TCCD) protection for modern DI diesel engines. These engine oils are unsuitable for use in certain engines - consult vehicle-OEM's owner's manual/handbook in case of doubt

## ACEA C DIESEL ENGINES:

- C1** Introduced in 10/2004 for car diesel engines fitted with exhaust particulate filters. Sulphate ash content, max. 0.5 % with lowered HTHS (most common in Mazda & Ford).
- C2** Introduced in 10/2004 for car diesel engines fitted with exhaust particulate filters. Sulphate ash content, max. 0.8 % with HTHS > 2.9 mPas (most common in Peugeot / Citroen / Renault).
- C3** Stable, stay-in-grade Engine Oil with Mid SAPS-Level, intended for use as catalyst compatible Oil at extended Drain Intervals in Vehicles with all Types of modern Aftertreatment Systems and High Performance Passenger Car & Light Duty Van Gasoline & DI Diesel Engines that are designed to be capable of using Oils with a minimum HTHS Viscosity of 3.5 mPa\*s.
- C4** Stable, stay-in-grade Engine Oil with Low SAPS-Level, intended for use as catalyst compatible Oil at extended Drain Intervals in Vehicles with all Types of modern Aftertreatment Systems and High Performance Passenger Car & Light Duty Van Gasoline & DI Diesel Engines that are designed to be capable of using Oils with a minimum HTHS Viscosity of 3.5 mPa\*s.
- C5** Stable, stay-in-grade Engine Oil with Mid SAPS-Level, for further improved Fuel Economy, intended for use as catalyst compatible Oil at extended Drain Intervals in Vehicles with all Types of modern Aftertreatment Systems and High Performance Passenger Car & Light Duty Van Gasoline & DI Diesel Engines that are designed to be capable and OEM-approved for use of Low Viscosity Oils with a minimum HTHS Viscosity of 2.6 mPa\*s.
- C6** Stable, stay-in-grade engine oil for improved fuel economy, with mid-SAPS Level, for aftertreatment system compatibility. Intended for use at extended oil drain intervals in passenger car and light-duty gasoline & DI diesel engines designed and OEM-approved for engine oils with HTHS viscosity of minimum 2.6 mPas. Relative to C5 these engine oils provide also low speed pre-ignition- and wear protection for turbocharged gasoline DI engines as well as turbocharger compressor deposit (TCCD) protection for modern DI diesel engines.

**ACEA E : HEAVY DUTY DIESEL ENGINE OILS:**

- E4 Stable, stay-in-grade oil providing excellent control of piston cleanliness, wear, soot handling and lubricant stability. It is recommended for highly rated diesel engines meeting Euro I, Euro II, Euro III, Euro IV and Euro V emission requirements
- E6 Stable, stay-in-grade oil providing excellent control of piston cleanliness, wear, soot handling and lubricant stability. It is recommended for highly rated diesel engines meeting Euro I, Euro II, Euro III, Euro IV, Euro V and Euro VI emission requirements and running under very severe conditions, e.g. significantly extended oil drain intervals according to the manufacturer's recommendations
- E7 Stable, stay-in-grade oil providing effective control with respect to piston cleanliness and bore polishing. It further provides excellent wear control, soot handling and lubricant stability. It is recommended for highly rated diesel engines meeting Euro I, Euro II, Euro III, Euro IV and Euro V emission requirements and running under severe conditions. It is suitable for engines without particulate filters, and for most EGR engines and most engines fitted with SCR NOx reduction systems.
- E8 Stable, stay-in-grade oil providing excellent control of piston cleanliness, wear, soot handling and lubricant stability. It is recommended for highly-rated diesel engines meeting Euro I, Euro II, Euro III, Euro IV, Euro V and Euro VI emission requirements and running under very severe conditions. It is suitable for EGR engines, with or without particulate filters, and for engines fitted with SCR NOx reduction systems.
- E9 Stable, stay-in-grade oil providing effective control with respect to piston cleanliness and bore polishing. It further provides excellent wear control, soot handling and lubricant stability. It is recommended for highly rated diesel engines meeting Euro I, Euro II, Euro III, Euro IV, Euro V and Euro VI emission requirements and running under severe conditions.
- E11 Stable, stay-in-grade oil providing effective control with respect to piston cleanliness and bore polishing. It further provides excellent wear control, soot handling and lubricant stability. It is recommended for highly rated diesel engines meeting Euro I, Euro II, Euro III, Euro IV, Euro V and Euro VI emission requirements and running under severe conditions. E11 is strongly recommended for engines fitted with particulate filters and is designed for use in combination with low-sulphur diesel fuel.

**ILSAC OIL SPECIFICATIONS:**

ILSAC, International Lubricants Standardization and Approval Committee, is formed in 1992 by AAMA (American Automobile Manufacturers Association, representatives of DaimlerChrysler Corporation, Ford Motor Company and General Motors Corporation) and JAMA (Japan Automobile Manufacturers Association) to define the need, parameters, licensing and administration of lubricant specifications. Together with the Tripartite system (API, SAE and ASTM) they formed EOLCS, the Engine Oil Licensing and Certification System. ILSAC oils often carry the API Service Symbol (Donut) including the Energy Conserving designation and/or API Certification Mark (Starburst)

- ILSAC GF-1 The ILSAC GF-1 standard indicates the oil meets both API SH and the Energy Conserving II (EC-II) requirements. It was created in 1990 and upgraded in 1992 and became the minimum requirement for oil used in American and Japanese automobiles.
- ILSAC GF-2 ILSAC GF-2 replaced GF-1 in 1996. The oil must meet both API SJ and EC-II requirements. The GF-2 standard requires 0W-30, 0W-40, 5W-20, 5W-30, 5W-40, 5W-50, 10W-30, 10W-40 and 10W-50 motor oils to meet stringent requirements for phosphorus content, low temperature operation, high temperature deposits and foam control.
- ILSAC GF-3 An ILSAC GF-3 oil must meet both API SL and the EC-II requirements. The GF-3 standard has more stringent parameters regarding long-term effects of the oil on the vehicle emission system, improved fuel economy and improved volatility, deposit control and viscosity performance. The standard also requires less additive degradation and reduced oil consumption rates over the service life of the oil.
- ILSAC GF-4 ILSAC GF-4 is similar to the API SM service category, but it requires an additional sequence VIB Fuel Economy Test (ASTM D6837).
- ILSAC GF-5 Introduced in October 2010 for 2011 and older vehicles, designed to provide improved high temperature deposit protection for pistons and turbochargers, more stringent sludge control, improved fuel economy, enhanced emission control system compatibility, seal compatibility, and protection of engines operating on ethanol-containing fuels up to E85.
- ILSAC GF-6 The ILSAC GF-6 specification is divided into two sub-specifications. ILSAC GF-6A is fully backward compatible with ILSAC GF-5 but offers better fuel economy, better engine protection and improved performance while maintaining durability. ILSAC GF-6B delivers similar performance as ILSAC GF-6A but will allow lower viscosity oils like xW-16, taking advantage of the fuel economy benefits however should not be assumed as backwards compatible to vehicles listing ILSAC GF-6A requirements.
- ILSAC GF-7A ILSAC GF-7A is the latest engine oil specification introduced by the International Lubricant Standardization and Approval Committee (ILSAC). It builds on the requirements of GF-6, with updated performance standards to meet the demands of modern gasoline engines. GF-7 oils are designed to deliver improved fuel economy, enhanced engine protection, LSPI protection, emissions systems compatibility and extended durability.

# Understanding Manufacturer Approvals

Many Original Equipment Manufacturers issue standards for their vehicles known as 'Approvals'.

Once issued, it is up to lubricant manufacturers to produce products which meet these specific standards.

Fuchs is a lubricant manufacturer dedicated to making products which meet these specific standards in order to secure these highly sought after, yet complex 'Approvals'.

The following is a list of key global Original Equipment Manufacturer 'Approvals':

## INFORMATION ON KEY VW APPROVALS

|                     |  |
|---------------------|--|
| VW 500 00           | Low-viscosity oils for gasoline and normally-aspirated diesel engines. Only SAE 0W-XX, 5W-XX and SAE 10W-XX oils. XX > 40 oils were not included after 10/91.  |
| VW 501 01           | Multigrade engine oils without low-viscosity characteristics for gasoline and normally-aspirated diesel engines.   |
| VW 502 00           | Low-viscosity oils for gasoline engines operated in difficult conditions   |
| VW 503 00           | Specification for gasoline car engines with extended service intervals (30,000 km or 2 years). Surpasses the requirements of 50200, (HTHS 2.9 mPas).   |
| VW 503 01           | Specification for turbocharged gasoline car engines with extended service intervals, e.g. Audi S3, TT (HTHS > 3.5mPas).  |
| VW 504 00           | VW specification for vehicles with or without Long life Service<br>For gasoline engines  |
| VW 505 00           | All-season engine oils for diesel engines with or without turbo charging.  |
| VW 505 01           | All-season engine oils especially for Unit Pump diesel engines.  |
| VW 506 00           | Specification for diesel engines with extended service intervals (50,000 km or 2 years, HTHS 2.9 mPas)   |
| VW 506 01           | Specification for Unit Pump diesel engines with extended service intervals.  |
| VW 507 00           | VW specification for vehicles with or without Long life Service, For diesel engines fitted with exhaust particulate filter systems.  |
| VW 508 00/VW 509 00 | Specifications 508 00 and 509 00 concern the so-called "VW Blue Oil" for the latest generations of engines from VW. The specifications demand an oil in viscosity class SAE 0W-20 with a reduced HTHS viscosity of at least 2.6 mPa.s. This allows fuel savings of at least 4% to be achieved. The first of these engines have been available on the market since the end of 2015. Specifications VW 508 00 and 509 00 are not backwards compatible with previous VW specifications. In contrast, specification VW 504 00 can be used wherever older VW specifications for petrol engines are required, for example. For diesel engines, specification VW 507 00 can also be used for the corresponding older diesel specifications. |

## INFORMATION ON KEY BMW APPROVALS

|                    |   |
|--------------------|---|
| BMW Spezial        | Engine oils for gasoline or diesel engines prior to 1998.   |
| BMW Longlife-98    | Engine oils for special gasoline engines after 1998.  |
| BMW Longlife-01    | Engine oils for special gasoline or diesel engines after 09/01.   |
| BMW Longlife-01 FE | Engine oils for certain gasoline engines after 2001.  |
| BMW Longlife-04    | Engine oils for certain engines after 2004.   |
| BMW Longlife-12 FE | Engine oils for engines from 2013.  |
| BMW Longlife-14 FE | Special motor oil for the following gasoline engines only: N20, Bx8 from model year 2014. Not allowed for diesel engines.   |
| BMW Longlife-17 FE | This specification requires a low SAPS, usually ACEA C5 compliant, 0W20 oil. Oils meeting this specification are usually recommended for the newest gasoline and diesel-powered BMWs. Given the ability across both Gasoline and Diesel this specification replaced the LL-14+. |

**INFORMATION ON KEY MB APPROVALS**

|           |  |
|-----------|--|
| MB 228.1  | Multigrade engine oils for turbocharged diesel engines.  |
| MB 228.3  | SHPD engine oils for highly turbocharged diesel engines. Extended oil change intervals up to 45,000 km.  |
| MB 228.5  | UHPD (Ultra High Performance Diesel) engine oils for highly turbocharged diesel engines. Extended oil change intervals in light-duty engines up to 45,000 km. Up to 160,000 km possible in heavy-duty diesel engines (with service interval displays).   |
| MB 228.51 | UHPD engine oils based on MB 228.5 with particular suitability for diesel particulate filters fitted to Euro V engines.  |
| MB 229.1  | Engine oil for gasoline and diesel car engines. More stringent than ACEA A2/A3 and B2/B3.  |
| MB 229.3  | Similar demands as 229.1 but with extended oil change intervals (30,000 km)  |
| MB 229.31 | Engine oils for cars fitted with diesel particulate filters.   |
| MB 229.5  | Engine oils for cars with extended oil change intervals (20.000 km), low pollution.  |
| MB 229.51 | Engine oils for cars with diesel particulate filters and extended oil change intervals.  |
| MB 229.52 | Especially for the Bluetec engines (OM 642: emission standard EURO 6). Highest requirements on oxidation stability and fuel economy. Backwards compatible with 229.51.   |
| MB 229.71 | The Mercedes-Benz MB 229.71 oil quality specification was introduced around 2016 but was not recommended for oil change services until 2019. The MB 229.71 oil specification is a Mid-Low SAPS (Sulfated Ash Phosphorus Sulfur) additive formulation developed for gasoline engines equipped with GPF (Gasoline Particulate Filter) and diesel engines with DPF (Diesel Particulate Filter) emission systems. The engine oil is formulated to achieve improved fuel economy and extended oil change intervals. The MB 229.71 specification requires a minimum high temperature and high shear viscosity of HTHS of 2.6 to 2.9 mPa*s and TBN (Total Base Number) of 7.5 or higher in a 0W-20 viscosity. The Mercedes-Benz MB 229.71 oil standard correlates with the ACEA C5 oil specification. |
| MB 229.72 | The Mercedes-Benz MB 229.72 oil standard correlates closely with the ACEA C6 oil specification. It provides even greater protection over LSPI, chain wear and turbocharger deposits than the already high performance of ACEA C5 based types.  |

**INFORMATION ON KEY GM APPROVALS**

|               |   |
|---------------|---|
| GM-LL-A-025   | Engine oils for gasoline car engines, Fuel Economy. |
| GM-LL-B-025   | Engine oils for diesel car engines, Fuel Economy.   |
| dexos1™ GEN 3 | Engine oil for gasolines engines.                   |
| dexos2™       | Engine oil for diesel and gasoline engines.         |

# Understanding the meaning of 'FLEX' and 'PRO'

**DEFINITION OF PRO:**

Mostly designed for either a single OEM Manufacturer Approval and/or application.

**DEFINITION OF FLEX:**

Multiple OEM Manufacturer Approval and ACEA specification usage.





*MOVING YOUR WORLD*

# TITAN FLEX

**Engineered Versatility.  
Premium Performance.**

TITAN FLEX is the signature designation for a select range of FUCHS TITAN automotive lubricants — that includes premium performance engine oils and automatic transmission fluids that deliver exceptional versatility, performance, and reliability.

The “FLEX” name signifies more than mere flexibility. It embodies the advanced formulation and engineering that enable these products to meet an extensive array of Original Equipment Manufacturer (OEM) approvals, vehicle specifications, and operational requirements.

Whether for European performance vehicles, modern SUVs, or light commercial fleets, FUCHS TITAN FLEX products are designed to simplify lubricant selection while providing class-leading protection.

Each FUCHS TITAN FLEX formulation is developed using the latest lubrication technology, offering premium performance, extended drain interval protection, and outstanding fuel economy. Every product bearing the FLEX name provides broad application coverage, assisting workshops to reduce inventory complexity, improve operational efficiency, and ensure compliance with the latest OEM and industry standards.

Trusted by professionals and supported by FUCHS’ commitment to unconditional reliability, “FLEX” represents the intelligent solution for modern automotive servicing — combining innovation, performance, and steadfast dependability in every application.





# TITAN GT1 Range

## TITAN GT1 FLEX 5 SAE 0W-20

**BluEV**  
TECHNOLOGY

PREMIUM PERFORMANCE



TITAN GT1 FLEX 5 SAE 0W-20 is a premium performance low viscosity engine oil. Specially designed for high output, highly loaded downsized engines, it offers extreme fuel economy and reduced CO2 emissions for vehicles fitted with and without stop-start systems. Featuring FUCHS BluEV Technology, TITAN GT1 FLEX 5 0W-20 meets the performance requirements of conventional as well as hybrid engines.

- Outstanding cold-start properties and rapid oil circulation
- Reduced fuel consumption and longest oil drain intervals
- Protects exhaust gas aftertreatment systems.

### Specifications

- ACEA C6, C5
- API SN PLUS RC
- API SP RC
- ILSAC GF-6A
- FORD WSSM2C954-A1

### Approvals

- BMW LONGLIFE-17 FE+
- JAGUAR LAND ROVER
- STJLR.03.5006
- MB-APPROVAL 229.71
- MB-APPROVAL 229.72
- OPEL OV0401547 – A20

### Recommendations

- CHRYSLER MS-12145
- FIAT 9.55535-GSX
- FORD WSS-M2C947-A
- FORD WSS-M2C947-B1
- FORD WSS-M2C962-A1
- ILSAC GF-5
- JAGUAR LAND ROVER
- STJLR.51.5122
- VOLVO VCC RBS0-2AE

| Pack Sizes   | 7L        | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602758750 | 602292391 | 602298829 |
| Part No.     | 5057007   | 5057020   | 5057205   |

## TITAN GT1 FLEX C2 SAE 0W-30

**BluEV**  
TECHNOLOGY

PREMIUM PERFORMANCE



TITAN GT1 FLEX C2 SAE 0W-30 is a premium performance engine oil for modern passenger cars and light commercial vehicles. Specially developed for BMW & Mercedes-Benz vehicles with exhaust aftertreatment systems, it offers excellent cold-starting properties, low oil consumption and improved ageing stability. TITAN GT1 FLEX C2 SAE 0W-30 provides high levels of wear protection, engine cleanliness and protects engine components from deposits, varnish, and corrosion. Featuring FUCHS BluEV Technology, the formulation meets the requirements of conventional as well as hybrid engines.

- OEM approved BMW LONGLIFE12 FE & MB 229.61
- Outstanding cold start properties and rapid oil circulation
- Reduced fuel consumption and longest oil drain intervals
- Protects exhaust gas aftertreatment systems.

### Specifications

- ACEA C2
- ACEA A5/B5
- API SP
- API SP RC
- ILSAC GF-6A
- FORD WSS-M2C950-A

### Approvals

- BMW LONGLIFE-12 FE
- MB-APPROVAL 227.61
- MB-APPROVAL 229.61

### Recommendations

- FIAT 9.55535-GS1
- JAGUAR LAND ROVER
- STJLR.03.5007
- VWC 53035

| Pack Sizes   | 20L       | 205L      |
|--------------|-----------|-----------|
| Material No. | 602293794 | 602095602 |
| Part No.     | 5163020   | 5163205   |

TITAN GT1 stands proudly as the flagship of the FUCHS range, showcasing some of the most advanced engine oils available globally - including the groundbreaking TITAN GT1 FLEX C23.

Backed by cutting-edge lubricant technology, the TITAN GT1 line boasts an extensive list of Original Equipment approvals from many of the world's leading automotive manufacturers.

## TITAN GT1 FLEX C23 SAE 5W-30

BluEV  
TECHNOLOGY

### PREMIUM PERFORMANCE



TITAN GT1 FLEX C23 SAE 5W-30 is a premium engine oil for passenger and light commercial vehicles. With the combination of ACEA C2 and C3 and corresponding approvals TITAN GT1 FLEX C23 SAE 5W-30 offers a wide range of harmonisation opportunities across several European and Asian manufacturers. The product also is advantageous for modern downsizing engines and engines with start-stop systems as well as exhaust gas aftertreatment systems such as catalysts or diesel particulate filters. TITAN GT1 FLEX C23 SAE 5W-30 allows more than double the fuel reduction compared to conventional ACEA C3 products of the same SAE class.

- Protection against Low-Speed Pre-Ignition (LSPI)
- Suitable for a wide range of diesel, and petrol vehicles
- Excellent ageing stability
- Low SAPS protects exhaust gas aftertreatment systems
- Suitable for selected hybrid vehicles subject to OEM requirements
- FUCHS BluEV Technology suitable for selected hybrid vehicles.

#### Specifications

- ACEA C2/C3
- API SQ

#### Approvals

- BMW LONGLIFE-04
- MB-APPROVAL 229.31
- MB-APPROVAL 229.52
- OPEL OV0401547 - D30
- OPEL OV0401547 - G30

#### Recommendations

- CHRYSLER MS-11106
- FIAT 9.55535-S1/ -S3
- GM-LL-A-025
- GM-LL-B-025
- IVECO 18-1811 CLASSE SC1
- MB 229.51
- VW 505 00/505 01

| Pack Sizes   | 5L        | 7L        | 10L       | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602292612 | 602292629 | 602292636 | 602292643 | 602299369 | 602217523 |
| Part No.     | 5080005   | 5080007   | 5080010   | 5080020   | 5080205   | 50801000  |

## TITAN GT1 FLEX 34 SAE 5W-30

### PREMIUM PERFORMANCE



TITAN GT1 FLEX 34 SAE 5W-30 is a premium performance, extreme fuel-economy engine oil for modern passenger cars and light commercial vehicles with or without extended service intervals. Designed particularly for Nissan / Renault engines with exhaust gas after treatment.

- Significantly lower fuel consumption at all running conditions
- Low SAPS provide reduced exhaust gas back pressure
- Perfect oxidative stability over the whole oil drain interval
- Very low oil consumption
- Highly effective wear protection extends the engine lifetime.

#### Specifications

- ACEA C3/C4

#### Approvals

- MB-APPROVAL 226.51
- MB-APPROVAL 229.51
- RENAULT RN0720

#### Recommendations

- FIAT 9.55535-S4

| Pack Sizes   | 5L        | 7L        | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602271327 | 602291486 | 602291493 |
| Part No.     | 4934005   | 4923007   | 4923205   |

## TITAN GT1 FLEX FR SAE 5W-30

BluEV  
TECHNOLOGY

### PREMIUM PERFORMANCE



TITAN GT1 FLEX FR SAE 5W-30 is a premium performance engine oil for passenger cars and vans. Specifically developed for PSA & RENAULT vehicles, it offers excellent cold-starting properties, low oil consumption and improved ageing stability.

Featuring FUCHS BluEV Technology formulation, TITAN GT1 FLEX FR SAE 5W-30 meets the requirements of conventional as well as hybrid engines. TITAN GT1 FLEX FR SAE 5W-30 provides high levels of wear protection, engine cleanliness and protects engine components from deposits, varnish and corrosion.

- Promotes excellent fuel efficiency and low emissions
- Resists deposit formation on engines and turbochargers
- Suits a wide range of vehicles
- FUCHS BluEV Technology, suitable for selected hybrid vehicles.

#### Specifications

- ACEA C3, C2
- API SP

#### Approvals

- MB-APPROVAL 226.52
- MB-APPROVAL 229.51
- MB-APPROVAL 229.52
- PSA B71 2290
- RENAULT RN17

#### Recommendations

- FIAT 9.55535-S1
- RENAULT RN0700/0710
- MB 229.31

|              |           |
|--------------|-----------|
| Pack Sizes   | 20L       |
| Material No. | 602095381 |
| Part No.     | 5358020   |

## TITAN GT1 FLEX 3 SAE 5W-40

### PREMIUM PERFORMANCE



TITAN GT1 FLEX 3 SAE 5W-40 is a premium performance engine oil for passenger cars and vans. The advanced formulation provides long-life performance in high temperatures and offers protection against corrosion and wear across a wide temperature range. Specially developed for vehicles with exhaust gas aftertreatment systems and turbochargers, it is suitable for modern passenger cars and light commercial vehicles with or without extended oil drain intervals.

- Universally suitable for diesel, petrol and gas engines of a large number of manufacturers
- High-performance formulation for European vehicles
- Excellent ageing stability
- Extremely low oil consumption
- Outstanding wear protection under all operating conditions

#### Specifications

- ACEA C3
- API SN

#### Approvals

- BMW LONGLIFE-04
- MB-APPROVAL 229.31
- MB-APPROVAL 229.51
- MB-APPROVAL 229.52
- PORSCHE C40
- RENAULT RN0700/
- RN0710
- VW 511 00

#### Recommendations

- API CF
- CHRYSLER MS-10725
- FIAT 9.55535-GH2
- FIAT 9.55535-S2
- FIAT 9.55535-T2
- FORD WSS-M2C917-A
- MB 226.5
- VW 505 00/505 01

|              |           |           |
|--------------|-----------|-----------|
| Pack Sizes   | 5L        | 20L       |
| Material No. | 602007278 | 601873263 |
| Part No.     | 5352005   | 5352020   |

## TITAN GT1 PRO 2312 SAE 0W-30

### PREMIUM PERFORMANCE



TITAN GT1 PRO 2312 SAE 0W-30 is a premium performance, fuel-economy engine oil for modern passenger cars and light commercial vehicles. Specially developed for the latest turbocharged PSA gasoline and diesel vehicles with exhaust aftertreatment systems. Featuring a high-quality base oil and advanced additive technology, it delivers excellent cold starting performance, lower oil consumption and minimised exhaust emissions.

- Excellent engine cleanliness
- Superior protection from deposits in engines and turbochargers
- Fuel efficient formulation with extremely low oil consumption
- Low SAPS formulation protects exhaust gas aftertreatment systems
- Excellent cold start behaviour and fast oil circulation

#### Specifications

- ACEA C2

#### Approvals

- PSA B71 2312

#### Recommendations

- CHRYSLER MS-13340
- CHRYSLER MS.90047
- FIAT 9.55535-DS1/GS1
- IVECO 18-1811 CLASSE SC1 LV
- IVECO 18-1811 CLASSE SC1 LV-16

|              |           |
|--------------|-----------|
| Pack Sizes   | 5L        |
| Material No. | 602007636 |
| Part No.     | 5353005   |

## TITAN GT1 PRO C-1 SAE 5W-30

### PREMIUM PERFORMANCE



TITAN GT1 PRO C-1 SAE 5W-30 is a premium performance engine oil for passenger cars and light commercial vehicles. The Low SAPS content protects exhaust gas aftertreatment systems, improves durability and keeps turbochargers and intercoolers clean. The combination of state-of-the-art additive technology with a new base oil matrix provides the highest levels of performance regarding oxidation stability, resistance to oil aeration, wear protection and shear stability.

- Excellent wear protection in advanced, highly stressed diesel and gasoline engines
- Extends the service time of all exhaust gas aftertreatment systems
- Optimum fuel economy in part-and full throttle operating conditions
- Reduces deposits in engines and turbochargers
- Very good ageing stability.

#### Specifications

- ACEA C1

#### Approvals

- JAGUAR LAND ROVER STJLR.03.5005

#### Recommendations

- FORD WSS-M2C934-B
- JASO DL-1

|              |           |           |           |
|--------------|-----------|-----------|-----------|
| Pack Sizes   | 5L        | 205L      | 1000L     |
| Material No. | 602285980 | 602299352 | 602285997 |
| Part No.     | 4197005   | 4197205   | 41971000  |

## TITAN GT1 PRO C-3 SAE 5W-30

**BluEV**  
TECHNOLOGY

PREMIUM PERFORMANCE



TITAN GT1 PRO C-3 SAE 5W-30 is a premium performance engine oil for passenger cars and light commercial vehicles. Specifically developed for VW/Audi petrol and diesel engines requiring VW 504 00 / 507 00 approved oil as well as BMW and Mercedes-Benz petrol and diesel vehicles with exhaust gas aftertreatment systems. Featuring FUCHS BluEV Technology formulation, TITAN GT1 PRO C-3 SAE 5W-30 also meets the performance requirements for modern hybrid engines.

- Excellent cold start behaviour and fast oil circulation
- Outstanding efficiency and fuel economy
- Low SAPS protects exhaust gas aftertreatment systems
- Offers lowest oil consumption
- Excellent aging stability and wear protection even under high loads
- FUCHS BluEV Technology suitable for selected hybrid vehicles.

**Specifications**

- ACEA C3
- API SN

**Approvals**

- BMW LONGLIFE-04
- MB-APPROVAL 229.51
- PORSCHE C30
- VW 504 00/507 00

**Recommendations**

- MB 229.52
- CHRYSLER MS-11106
- FIAT 9.55535-S3

| Pack Sizes   | 1L        | 5L        | 7L        | 10L       | 20L       | 60L       | 205L      |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602284808 | 602284815 | 602284822 | 602284839 | 602284846 | 602284853 | 602284860 |
| Part No.     | 3943001   | 3943005   | 3943007   | 3943010   | 3943020   | 3943060   | 3943205   |

## TITAN GT1 LONGLIFE IV SAE 0W-20

**BluEV**  
TECHNOLOGY

PREMIUM PERFORMANCE



TITAN GT1 LONGLIFE IV 0W-20 is an innovative premium performance low-viscosity engine oil. The combination of state-of-the-art additive technology with a new base oil matrix provides the highest levels of performance regarding oxidation stability, resistance to oil aeration, wear protection, and shear stability. Featuring FUCHS BluEV Technology, TITAN GT1 LONGLIFE IV SAE 0W-20 meets the performance requirements of conventional as well as modern hybrid engines.

- Developed specifically for modern VW gasoline and diesel engines that have been approved for the use of this oil
- Reduced fuel consumption by more than 4% in the M111 FE Test. This is due to its low dynamic viscosity at 150°C (HTHS) in combination with fully synthetic base oils
- Allows for extended oil change intervals
- Superior wear and tear protection under all operating conditions despite its extremely low viscosity
- Suitable for selected hybrid vehicles depending on OEM requirements.

**Specifications**

- ACEA C5
- FORD WSS-M2C956-A1

**Approvals**

- VW 508 00/509 00
- Porsche C20

**Recommendations**

- N/A

| Pack Sizes   | 5L        | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602008091 | 602292285 | 602298850 |
| Part No.     | 503605    | 503620    | 5036205   |

## TITAN GT1 LONGLIFE III SAE 0W-30

### PREMIUM PERFORMANCE



TITAN GT1 LONGLIFE III SAE 0W-30 is a premium performance Low-SAPS fuel economy engine oil. Specifically developed for VW petrol and diesel vehicles with or without turbochargers as well as with modern exhaust gas aftertreatment systems.

- Can be used in all VW gasoline and diesel engines, including all prior VW approvals
- Outstanding wear protection
- Can be used in vehicles with extended oil drain intervals of 50,000 km or two years
- Reduces ash formation in particulate filters and reduces fuel consumption
- Increases the lifetime of particulate filters
- Can be used for older VW vehicles as well (without long drain interval).

#### Specifications

- ACEA C3

#### Approvals

- VW 504 00/507 00

#### Recommendations

- N/A

|              |           |
|--------------|-----------|
| Pack Sizes   | 205L      |
| Material No. | 602298843 |
| Part No.     | 5037205   |

# Protection technology for Hybrid Vehicles

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**BluEV**  
TECHNOLOGY



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# TITAN SUPERSYN Range



## TITAN SUPERSYN F ECO-FE SAE 0W-30

ULTRA HIGH PERFORMANCE



TITAN SUPERSYN F ECO-DT SAE 0W-30 is an ultra-high performance engine oil specially developed for modern FORD diesel engines. It provides optimised ageing stability, wear protection and cold-start properties during the entire oil drain interval.

- Outstanding cold-start properties
- Potential for fuel savings and thus reduced emissions
- Suitable for extended oil change intervals
- Optimum wear protection.

### Specifications

- ACEA C2
- FORD M2C950-A

### Approvals

- JAGUAR LAND ROVER STJLR.03.5007

### Recommendations

- N/A

| Pack Sizes   | 5L        | 10L       | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602270658 | 602289919 | 602289926 | 602289940 | 602289933 |
| Part No.     | 4760005   | 4760010   | 4760020   | 4760205   | 47601000  |

## TITAN SUPERSYN F ECO-B SAE 5W-20

ULTRA HIGH PERFORMANCE



TITAN SUPERSYN F ECO-B SAE 5W-20 is an ultra-high performance engine oil for passenger cars and light commercial vehicles. Specially developed for FORD EcoBoost petrol engines, it features state-of-the-art additive technology to deliver optimised ageing stability, wear protection and cold start properties during the entire oil drain interval.

- High thermal and oxidative stability
- Sustainable fuel economy
- Excellent wear protection
- Recommended for Ford diesel passenger cars
- Covers Ford EcoBoost engines
- Also suitable for a broad range of Fiat, Jeep and Chrysler vehicles
- Covers Petrol SN spec.

### Specifications

- ACEA C5
- API SN
- FORD WSS-M2C948-B

### Approvals

- JAGUAR LAND ROVER STJLR.03.5004

### Recommendations

- ACEA A1/B1
- CHRYSLER MS 6395
- FIAT 9.55535-CR1
- FORD M2C925-A
- FORD M2C925-B
- FORD WSS-M2C945-A
- ILSAC GF-5

| Pack Sizes   | 7L        | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602289339 | 602289346 | 602299055 | 602294920 |
| Part No.     | 4686007   | 4686020   | 4686205   | 46861000  |

The TITAN SUPERSYN range is an ultra-high-performance engine oil range designed for petrol and diesel engines, delivering extreme fuel economy, optimum cold-start performance, and reduced oil consumption.

## TITAN SUPERSYN F ECO-DT SAE 5W-30

ULTRA HIGH PERFORMANCE



TITAN SUPERSYN F ECO-DT SAE 5W-30 is an ultra-high performance engine oil for passenger cars and light commercial vehicles. It delivers extreme fuel economy, protection against wear and deposit formation, and is especially suitable for FORD DuraTorq diesel engines.

- High thermal and oxidative stability
- Sludge protection
- Sustainable fuel economy
- Excellent wear protection
- Covers majority of Ford Rangers
- Suitable for a broad range of Hyundai and Kia vehicles
- Covers Petrol SL spec.

#### Specifications

- ACEA A5/B5
- API SL
- FORD M2C913-C
- FORD M2C913-D

#### Approvals

- JAGUAR LAND ROVER  
STJLR.03.5003

#### Recommendations

- ACEA A1/B1
- API CF
- CHRYSLER MS 6395
- FORD M2C913-A
- FORD M2C913-B
- IVECO 18-01811 CLASSE S1/S2
- JAGUAR M2C913-B
- RENAULT RN0700
- VWC 53036

| Pack Sizes   | 5L        | 7L        | 10L       | 20L       | 60L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602287731 | 602287748 | 602287755 | 602287762 | 602287786 | 602299420 | 602287793 |
| Part No.     | 4496005   | 4496007   | 4496010   | 4496020   | 4496060   | 4496205   | 44961000  |

## TITAN SUPERSYN D1 SAE 5W-30

ULTRA HIGH PERFORMANCE



TITAN SUPERSYN D1 SAE 5W-30 is an ultra-high performance, extreme fuel economy engine oil, specially developed for petrol engines requiring dexos1™ Gen 3 fluid. It provides optimum cold-starting, lower oil consumption and minimised exhaust gas emissions.

- Excellent wear protection
- Inhibits deposits in engines and turbochargers
- Low oil consumption due to minimised evaporation loss.

#### Specifications

- API SN PLUS RC
- API SP RC
- ILSAC GF-7A

#### Approvals

- dexos 1™ - Gen 3  
(D335ABDF075)

#### Recommendations

- FORD WSS-M2C929-A
- FORD WSS-M2C946-A
- FIAT 9.55535-CR1
- CHRYSLER MS 6395
- GM 6094M
- GM 4718M

| Pack Sizes   | 7L        | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602293251 | 602293268 | 602293282 | 602293275 |
| Part No.     | 5122007   | 5122020   | 5122205   | 51221000  |

## TITAN SUPERSYN LONGLIFE SAE 5W-40

ULTRA HIGH PERFORMANCE



TITAN SUPERSYN LONGLIFE SAE 5W-40 is an ultra-high performance engine oil for passenger cars and light commercial vehicles. Featuring state-of-the-art additive technology, it provides optimised ageing stability, wear protection and cold-start properties during the entire oil drain interval.

- Good cold-start properties
- Increased fuel economy
- Multi-purpose application for many cars and models
- Suitable for many European models
- Covers Petrol SN spec.

#### Specifications

- ACEA A3/B4
- API SN/SM

#### Approvals

- MB-APPROVAL 226.5 / 229.5
- PORSCHE A40
- PSA B71 2296
- RENAULT RN0700 / RN0710
- VW 502 00 / 505 00
- BMW LONGLIFE LL-01

#### Recommendations

- CHRYSLER MS-12991
- FIAT 9.55535-H2/M2/N2/Z2
- PORSCHE A40

| Pack Sizes   | 5L        | 7L        | 10L       | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602265128 | 602292629 | 602292636 | 602292643 | 602285744 | 602285737 |
| Part No.     | 4153005   | 4153007   | 4153010   | 4153020   | 4153205   | 41531000  |

## TITAN SUPERSYN SAE 10W-60

ULTRA HIGH PERFORMANCE



TITAN SUPERSYN SAE 10W-60 is an ultra-high performance engine oil for a variety of petrol and diesel passenger vehicles as well as motorsport applications. Developed with state-of-the-art additive technology, it provides engine durability and improved oil pressure under both normal operating and extreme high-heat and load driving conditions.

- Good cold-start performance
- Very good engine cleanliness
- Low evaporation loss, low oil consumption
- Suitable for use in motorsport applications.

#### Specifications

- N/A

#### Approvals

- N/A

#### Recommendations

- ACEA A3/B3
- API SL/CF
- FIAT 9.55535-H3

| Pack Sizes   | 5L        | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|
| Material No. | 602286000 | 602294937 | 602265456 |
| Part No.     | 4206005   | 4206205   | 42061000  |

# TITAN SYN SQ Range

TITAN SYN SQ is a range of high performance, high fuel-economy oils suitable for a variety of engines including high-performance naturally aspirated, turbocharged and diesel applications.

## TITAN SYN SQ SAE 0W-20

ULTRA HIGH PERFORMANCE



TITAN SYN SQ SAE 0W-20 is an ultra-high performance, high fuel-economy, fully synthetic oil suitable for a variety of gasoline engines in passenger cars.

- Excellent wear protection
- Very high thermal and oxidation stability prevents oil thickening and deposits
- Optimised engine and turbocharger cleanliness
- Low oil consumption
- Compatible with all materials used for seals and gaskets
- Increased fuel economy.

#### Specifications

- API SQ
- ILSAC GF-7A

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 5L        | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602786975 | 602786982 | 602786999 | 602787002 |
| Part No.     | 5382005   | 5382020   | 5382205   | 53821000  |

## TITAN SYN C5 SAE 0W-20

ULTRA HIGH PERFORMANCE



TITAN SYN C5 SAE 0W-20 is a flexible 0W-20 engine oil specially formulated for petrol and diesel engines and meets the latest API SP and ACEA C5 performance level. It provides high fuel efficiency, smooth cold-start behavior, fast engine lubrication and maximum protection for your engine. Suitable for advanced aftertreatment systems such as Diesel Particulate Filters (DPFs) and Three Way Catalysts (TWC).

- Combination of both ACEA C5 and API Specifications in one product
- Improved fuel economy due to low viscosity and cold-temperature properties
- Suitable for advanced aftertreatment systems such as Diesel Particulate Filters (DPFs) and Three Way Catalysts (TWC).

#### Specifications

- API SP
- ACEA C5

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 10L       | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602292940 | 602292957 | 602292971 | 602292964 |
| Part No.     | 5089010   | 5089020   | 5089205   | 50891000  |

# TITAN Formula Range

The TITAN FORMULA Range of performance engine oils have been designed for usage in a variety of conditions, including motorsport.

## TITAN FORMULA SQ SEM SAE 5W-30

HIGH PERFORMANCE



TITAN FORMULA SQ SAE 5W-30 is an advanced all-season, fuel economy, engine oil specially formulated for use in normally aspirated and turbocharged petrol passenger car and light duty vehicle applications. Featuring the latest additive technology, combined with high-quality base oil, it offers excellent fuel efficiency and engine protection.

- Excellent fuel efficiency
- Excellent anti-wear protection
- Low oil consumption

#### Specifications

- API SQ
- ILSAC GF-7A
- SAE 5W-30

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|
| Material No. | 602786784 | 602786791 | 602786807 |
| Part No.     | 5380020   | 5380205   | 53801000  |

## TITAN FORMULA SQ SEM SAE 10W-30

HIGH PERFORMANCE



TITAN FORMULA SQ SEM SAE 10W-30 is an all-season high performance engine oil specially formulated for petrol engines with or without gasoline particulate filters meeting the latest API SQ and ILSAC GF-7A performance level.

- Excellent fuel efficiency
- Excellent anti-wear protection
- Low oil consumption

#### Specifications

- API SQ
- ILSAC GF-7A

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 5L        | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602786746 | 602786760 | 602786777 |
| Part No.     | 5379005   | 5379020   | 5379205   |

## TITAN FORMULA SQ SAE 10W-30

### HIGH PERFORMANCE



TITAN FORMULA SQ SAE 10W-30 is a multigrade performance engine oil for petrol, light diesel, LPG and E10 fueled engines. Also suitable for late model European and Japanese vehicles.

- Reduced fuel consumption

#### Specifications

- API SQ / CF
- ILSAC GF-7A

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 5L        | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602788061 | 602788078 | 602788085 | 602788092 |
| Part No.     | 5385005   | 5385020   | 5385205   | 53851000  |

## TITAN FORMULA SQ SEM SAE 10W-40

### HIGH PERFORMANCE



TITAN FORMULA SQ SEM SAE 10W-40 is a high performance, all season fuel economy engine oil for use in normally aspirated and turbocharged petrol and diesel engines in cars and vans.

- Stay-in grade lubricant
- Maintains its wear protection and fuel economy characteristics even in the most severe conditions
- Minimum oil consumption due to low evaporation losses resulting from the outstanding quality of the base oil and additive technology.

#### Specifications

- API SQ

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 5L        | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602786692 | 602786708 | 602786715 | 602786722 |
| Part No.     | 5378005   | 5378020   | 5378205   | 53781000  |

## TITAN FORMULA SP SAE 15W-40

### HIGH PERFORMANCE



TITAN FORMULA SP SAE 15W-40 is a high performance all season engine oil designed for normally aspirated and turbocharged cars and vans with petrol engines. TITAN FORMULA SP SAE 15W-40 provides high levels of wear protection, engine cleanliness and protects engine components from deposits, varnish, and corrosion.

- Recommended for petrol, light diesel, LPG and E10 fueled engines
- Suitable for all driving conditions
- Compatible with catalytic converters
- Minimises deposits and varnish formation keeping components clean and functional
- Minimum oil consumption and evaporation loss due to high quality of the base oil
- Designed to operate in the arduous driving conditions of Australia and New Zealand.

#### Specifications

- API SP/CF

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 5L        | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602292872 | 602292889 | 602292902 | 602292810 |
| Part No.     | 5087005   | 5087020   | 5087205   | 50871000  |

## TITAN FORMULA SP SAE 20W-50

### HIGH PERFORMANCE



TITAN FORMULA SP SAE 20W-50 is an all season performance SAE 20W-50 engine oil developed for normally aspirated, turbo and light commercial engines.

- Protection against sludge formation
- Designed to operate in the arduous driving conditions of Australia and New Zealand

#### Specifications

- API SP/CF

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 5L        | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602292872 | 602292889 | 602292902 |
| Part No.     | 5088005   | 5088020   | 5088205   |

## TITAN FORMULA 60

### HIGH PERFORMANCE



TITAN FORMULA 60 is a super high performance engine lubricant specially developed for the arduous conditions of motorsport racing.

- Proven race performance lubricant with maximum protection and cooling
- Performs well in assisting in the reduction of emissions in older worn engines
- Compatible with vehicles using methanol and LPG fuel

#### Specifications

- API CL/CF

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 5L        | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602292872 | 602292889 | 602292810 |
| Part No.     | 2131005   | 2131020   | 2131205   |

# GEAR OILS

FUCHS' selection of gear oils have not only been developed to meet the needs of today's vehicles but also feature a strong range of global approvals.



## TITAN SUPERGEAR SAE 75W-85

### ULTRA HIGH PERFORMANCE

TITAN SUPERGEAR SAE 75W-85 is a semi synthetic multipurpose gear oil suitable for modern transmissions requiring a lower viscosity transmission fluid.

- Can be used where mineral oil and SAE 75W-85 is required
- Compatibility with many elastomers and other sealing materials
- Smooth gear change and reduced wear under all operating conditions
- Stable lubricating film even with very high loads
- Suitable for use where API MT-1 Lubricants are unsuitable
- Provides fuel consumption benefits over standard gear oils

#### Specifications

- API GL-4

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 4L        | 20L       |
|--------------|-----------|-----------|
| Material No. | 602285522 | 602285539 |
| Part No.     | 4109004   | 4109020   |

## TITAN SUPERGEAR SAE 80W-90

### ULTRA HIGH PERFORMANCE

TITAN SUPERGEAR SAE 80W-90 is an ultra-high performance gear oil for extended oil change intervals. A mineral universal gear oil for use in manual transmissions and axle gearboxes in both passenger cars and commercial vehicles.

- Optimised cold flow properties for improved shifting, lubrication and wear protection with cold oil
- Stable lubricating film even with very hot oil and/or very high loads
- Very good shear stability preventing viscosity loss
- Very good wear protection of bearings and gears even under severe operating conditions
- Very good corrosion protection and compatibility with non-ferrous metals
- Compatible with synchroniser materials

#### Specifications

- API GL-4 / GL-5

#### Approvals

- EvoBus 26.000-025
- MAN 342 TYPE M2
- ZF TE-ML 05A
- ZF TE-ML 12E
- ZF TE-ML 17B
- ZF TE-ML 19B
- ZF TE-ML 21A (ZF000647)

#### Recommendations

- MIL-L-2105 D
- NH 520 A
- STEYR B-101
- VOLVO 97310

| Pack Sizes   | 1L        | 4L        | 20L       | 60L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602282569 | 602282576 | 602282583 | 602282606 | 600634483 | 602282613 |
| Part No.     | 2135001   | 2135004   | 2135020   | 2135060   | 2135205   | 2135100   |

## GEAR OILS

### TITAN SUPERGEAR LS SAE 80W-90

#### ULTRA HIGH PERFORMANCE

TITAN SUPERGEAR LS SAE 80W-90 is an ultra-high performance LS (Limited Slip) hypoid gear oil for axles with or without limited slip differentials.

- Maintains viscosity throughout the oil drain interval because of its excellent shear stability
- Reduces the gearbox oil temperature even under difficult operating conditions
- Effectively prevents unpleasant rattling and squeaking noise
- Compatibility with many elastomers and other sealing materials
- Highest pressure absorption capacity
- Prevents deposits

#### Specifications

- API GL-5 / GL-5 LS

#### Approvals

- N/A

#### Recommendations

- FORD WSP-M2C197-A
- MERITOR 0-76
- MIL-PRE-2105E
- ZF TE-ML 07, 08

| Pack Sizes   | 1L        | 4L        | 20L       | 60L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602282699 | 602282705 | 602282712 | 602282736 | 602282750 | 602282743 |
| Part No.     | 2137001   | 2137004   | 2137020   | 2137060   | 2137205   | 21371000  |

### TITAN SUPERGEAR 2360 85W-140

#### ULTRA HIGH PERFORMANCE

TITAN SUPERGEAR SAE 85W-140 is an ultra-high performance gear oil for extended oil change intervals. A mineral universal gear oil for use in manual transmissions and axle gearboxes in both passenger and commercial vehicles.

- The good corrosion protection provided by TITAN SUPERGEAR 2360 SAE 85W-140 protects against rust and attacking of non-ferrous metals
- Excellent cold flow properties for improved shifting, lubrication and wear protection with cold oil
- Can be used for extended drain intervals
- Due to the significant shear stability of TITAN SUPERGEAR 2360 85W-140 the oil remains within the viscosity range even after very long periods of use
- Outstanding corrosion protection and compatibility with non-ferrous metals.

#### Specifications

- API GL-5
- API MT-1

#### Approvals

- SAE J2360

#### Recommendations

- MACK GO-J
- MAN 342 TYPE M1
- Meritor 094
- NATO 0-228
- SCANIA STO 1:0 / SCANIA STO 1:1 G
- ZF TE-ML 07A
- ZF TE-ML 08

| Pack Sizes   | 4L        | 20L       | 60L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602294388 | 602294395 | 602294401 | 602294425 | 602282675 |
| Part No.     | 5190004   | 5190020   | 5190060   | 5190205   | 21361000  |

## TITAN SUPERGEAR LS SAE 85W-140

### ULTRA HIGH PERFORMANCE

TITAN SUPERGEAR LS SAE 85W-140 is a high performance LS (Limited Slip) hypoid gear oil for axles in commercial vehicles and passenger cars with or without limited slip differentials.

- Very good wear protection
- Outstanding lubrication performance and efficient power transmission resulting in total reliability and minimum transmission noise
- Stable lubricating film even with very hot oil and/or very high loads
- Good oxidation stability and corrosion protection
- Very good corrosion protection even for non-ferrous metals
- Very good compatibility with sealing materials.

#### Specifications

- API GL-5 / GL-5 LS
- API MT-1

#### Approvals

- N/A

#### Recommendations

- N/A

| Pack Sizes   | 4L        | 20L       | 60L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602281869 | 602281876 | 602281883 | 602281906 | 602281890 |
| Part No.     | 1933004   | 1933020   | 1933060   | 1933205   | 19331000  |

## TITAN CYTRAC ETN-EP SAE 80W-140

### ULTRA HIGH PERFORMANCE

TITAN CYTRAC ETN-EP SAE 80W-140 is a heavy duty, synthetic, extreme pressure gear oil.

- Increased gear life - provides extremely high film strength and superior low temperature performance
- Outstanding corrosion protection and compatibility with non-ferrous metals
- Superior lubricating properties - high viscosity index and low operating temperature to -40°C
- Better operating temperature performance - temperatures tend to be lower in high load axle applications as compared to conventional 85W-140 gear lubricants
- Excellent cold flow properties for improved shifting, lubrication and wear protection with cold oil
- Provides environmental benefits due to reduced fuel consumption and longest oil drain intervals.

#### Specifications

- API MT-1
- API GL-5

#### Approvals

- DANA SHAE 429

#### Recommendations

- ARVIN MERITOR O-80, O-76-B
- INTERNATIONAL TMS 6816
- MACK GO-J
- SAE J2360
- MIL-PRF-2105 E

| Pack Sizes   | 4L        | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602287427 | 602287434 | 602287441 |
| Part No.     | 4462004   | 4462020   | 4462205   |

## GEAR OILS

### TITAN CYTRAC TD SAE 75W-90

#### ULTRA HIGH PERFORMANCE

TITAN CYTRAC TD SAE 75W-90 is a gear oil for axles and gearboxes in commercial vehicles.

- Very good wear protection
- Outstanding lubrication performance and efficient power transmission resulting in total reliability and minimum transmission noise
- Stable lubricating film even with very hot oil and/or very high loads
- Good oxidation stability and corrosion protection
- Very good corrosion protection even for non-ferrous metals
- Very good compatibility with sealing materials.

#### Specifications

- API GL-4/GL-5
- API MT-1
- SAE J2360

#### Approvals

- DETROIT DIESEL 93K219.01
- DTFR 12B140
- MAN 341 TYPE Z2
- MAN 342 TYPE S1
- MB-APPROVAL 235.9
- MERITOR O-76-E
- SCANIA STO 1:0
- SCANIA STO 1:1 G
- SCANIA STO 2:0 A FS
- VOLVO 97312
- ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A (ZF003341)

#### Recommendations

- JOHN DEERE JDM J11E
- JOHN DEERE JDM J11G
- MAN 341 TYPE E3
- MAN 342 TYPE M3
- MB 235.8

| Pack Sizes   | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|
| Material No. | 602732187 | 602298683 | 602298690 |
| Part No.     | 4817020   | 4817205   | 48171000  |

### TITAN CYTRAC SL SAE 75W-90

#### ULTRA HIGH PERFORMANCE

TITAN CYTRAC SL SAE 75W-90 is a gear oil for axles in commercial vehicles.

- Outstanding wear protection of bearings and gears even under toughest operating conditions
- Outstanding thermal and oxidation stability prevents oil thickening and deposits
- Reduction of transmission oil temperature under severe operating conditions
- Optimum lubrication at very low and very high operating temperatures
- Excellent shear stability preventing from viscosity loss
- Longest oil drain intervals possible.

#### Specifications

- API GL-5

#### Approvals

- MAN 342 TYPE S1
- SCANIA STO 1:0

#### Recommendations

- JOHN DEERE JDM J11E
- JOHN DEERE JDM J11G
- MB 235.8
- VOLVO 97312
- ZF TE-ML 05B, 07, 08, 12B, 16F, 17B

| Pack Sizes   | 4L        | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602284341 | 602284358 | 602284365 | 602298676 |
| Part No.     | 3826004   | 3826020   | 3826205   | 38261000  |

## TITAN CYTRAC MAT SAE 75W-80

### ULTRA HIGH PERFORMANCE

TITAN CYTRAC MAT SAE 75W-80 is a transmission fluid for gearboxes in commercial vehicles.

- Optimum lubrication at very low and very high operating temperatures
- Significant fuel economy because of its very low viscosity and cold-temperature properties
- Outstanding thermal and oxidation stability prevents oil thickening and deposits
- Outstanding synchronising properties ensuring easy gear shifting even at very low temperatures
- Compatible with synchroniser materials
- Outstanding wear protection of bearings and gears even under toughest operating conditions.

#### Specifications

- API GL-4

#### Approvals

- MAN 341 TYPE Z4
- ZF TE-ML 01L, 02L, 16K (ZF003373)

#### Recommendations

- IVECO 18-1807 CLASSE MGS1
- MAN 341 TYPE E3
- MAN 341 TYPE Z3
- MAN 341 TYPE Z5
- VOLVO 97305
- VOLVO 97307
- ZF TE-ML 01E, 02D, 02E, 08, 16P

| Pack Sizes   | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|
| Material No. | 602290731 | 602290748 | 602298645 |
| Part No.     | 4875020   | 4875205   | 48171000  |

## TITAN CYTRAC MB SYNTH SAE 75W-90

### ULTRA HIGH PERFORMANCE

TITAN CYTRAC MB SYNTH SAE 75W-90 is a transmission fluid for gearboxes in commercial vehicles. NOTE: Homogenise product before use.

- Optimum lubrication at very low and very high operating temperatures
- Outstanding thermal and oxidation stability prevents oil thickening and deposits
- Outstanding synchronising properties ensuring easy gear shifting even at very low temperatures
- Compatible with synchroniser materials
- Suitable for extended drain intervals
- Outstanding wear protection of bearings and gears even under toughest operating conditions.

#### Specifications

- API GL-4

#### Approvals

- MAN 341 TYPE MB
- DTFR 13B110
- MB-APPROVAL 235.21

#### Recommendations

- MB 235.11
- ZF TE-ML 08

| Pack Sizes   | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|
| Material No. | 602298669 | 602284471 | 602297778 |
| Part No.     | 3873020   | 3873205   | 38731000  |

## GEAR OILS

### TITAN SINTOFLUID FE SAE 75W

#### PREMIUM PERFORMANCE

TITAN SINTOFLUID FE SAE 75W is a premium performance manual transmission fluid based on a modern, OEM-proven additive technology combined with selected base oils. The unique formulation and low viscosity offer a high fuel economy. This ensures superior oxidation and shear stability, an excellent temperature-viscosity behaviour as well as an outstanding wear and corrosion protection.

- Excellent cold flow properties
- Outstanding thermal and oxidation stability prevents oil thickening and deposits
- Outstanding corrosion protection and compatibility with non-ferrous metals
- Multifunctional application profile, ideal for product rationalisation.

#### Specifications

- API GL-4

#### Approvals

- MB-APPROVAL 235.17

#### Recommendations

- VW G055 512
- VW TL 521 71 (G 052 171 A1/A2)
- VW TL 521 78 (G 052 178 A2)
- VW TL 525 12 (G 052 512 A2)
- VW TL 525 27 (G 052 527 A2)
- VW TL 726 (G 052 726 A2/G 055 726 A2/G 060 726 A2/G 070 726 A2)

| Pack Sizes   | 1L        | 20L       |
|--------------|-----------|-----------|
| Material No. | 602294913 | 602294906 |
| Part No.     | 4466001   | 4466020   |

### TITAN SINTOFLUID SAE 75W-80

#### PREMIUM PERFORMANCE

TITAN SINTOFLUID SAE 75W-80 is a premium performance gear oil for manual transmissions in passenger vehicles. It is suitable as Fill-For-Life fluid according to manufacturer specifications.

- Outstanding protection against corrosion and wear
- Excellent oxidation stability and resistance to sludge formation
- Excellent viscosity control in normal and extreme operating temperatures
- Compatibility with many elastomers and other sealing materials.

#### Specifications

- API GL-5

#### Approvals

- N/A

#### Recommendations

- BMW 83 22 0 309 031
- BMW 83 22 0 403 247
- BMW 83 22 2 339 219
- BMW 83 22 7 533 818
- FORD M2C200-C3
- MIL-L-2105 D
- OPEL 19 40 182
- OPEL 19 40 757
- OPEL 19 40 768
- OPEL 19 40 776
- VOLVO 97308
- VW 501 50 (G 005 000 05/G 005 000/G 005 000 20/G 052 911 A1/A2)

| Pack Sizes   | 1L        | 20L       |
|--------------|-----------|-----------|
| Material No. | 602299383 | 602298942 |
| Part No.     | 4110001   | 4110020   |

## TITAN SINTOPOID FE SAE 75W-85

### PREMIUM PERFORMANCE

TITAN SINTOPOID FE SAE 75W-85 is full synthetic premium performance gear oil for hypoid axles in passenger cars. It offers increased transmission efficiency, fuel economy, shear stability, as well as outstanding wear and corrosion protection. Suitable as Fill-For-Life fluid according to manufacturer's specifications.

- Low viscosity promotes fuel economy
- Outstanding wear protection of bearings and gears
- Protection against foaming, even at high speeds
- Significantly prevents corrosion, ageing, and deposits
- Depending on OEM requirements also suitable for selected transmissions in hybrid or electric vehicles.

#### Specifications

- API GL-5

#### Approvals

- MB-APPROVAL 235.7
- MB-APPROVAL 235.74
- MB-APPROVAL 239.72
- ZF TE-ML 18 (ZF002195)

#### Recommendations

- MB 239.71
- VW TL 521 45-X (G 052 145 A1)
- VW TL 521 90 (G 052 190 A2/G 055 190 A2)

| Pack Sizes   | 1L        | 20L       |
|--------------|-----------|-----------|
| Material No. | 602298966 | 602298973 |
| Part No.     | 4458001   | 4458020   |

## TITAN SINTOPOID LS SAE 75W-90

### PREMIUM PERFORMANCE

TITAN SINTOPOID LS SAE 75W-90 is a premium performance, fully synthetic multifunctional gear oil, formulated with fully synthetic base oils. Suitable for axles and transfer gearboxes with or without self-locking differentials and also as trouble shooter for conventional manual transmissions.

- Multifunctional application profile, ideal for product rationalisation
- Outstanding wear protection of bearings and gears even under the toughest operating conditions
- Effectively prevents unpleasant rattling and squeaking noise
- Outstanding thermal and oxidation stability prevents oil thickening and deposits
- Compatible with synchroniser materials
- Depending on OEM requirements also suitable for selected transmissions in hybrid or electric vehicles.

#### Specifications

- API GL-4/ -5/-5 incl LS

#### Approvals

- N/A

#### Recommendations

- FORD WSS-M2C200-C/C2
- VW G50 / G51

| Pack Sizes   | 1L        | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602299017 | 602299000 | 602298980 | 602298997 |
| Part No.     | 4136001   | 4136020   | 4136205   | 41361000  |

## GEAR OILS

### TITAN SINTOPOID LS SAE 75W-140

#### PREMIUM PERFORMANCE

TITAN SINTOPOID LS SAE 75W-140 is a premium performance gear oil for axle and transfer gearboxes, formulated with fully synthetic base oils. Suitable for axle and transfer gearboxes with and without limited slip differential.

- Multifunctional application profile, ideal for product rationalisation
- Outstanding wear protection for bearings and gears even under the toughest operating conditions
- Effectively prevents unpleasant rattling and squeaking noise
- Outstanding thermal and oxidation stability prevents oil thickening and deposits
- Compatible with synchroniser materials
- Depending on OEM requirements also suitable for selected transmissions in hybrid or electric vehicles.

#### Specifications

- API GL-5

#### Approvals

- N/A

#### Recommendations

- BMW 83 22 2 282 583
- BMW 83 22 9 407 870
- CHRYSLER MS-8985
- FORD M2C192-A
- GM 12346140
- JOHN DEERE JDM J 11 G
- SCANIA STO 1:0

|              |           |
|--------------|-----------|
| Pack Sizes   | 1L        |
| Material No. | 602299406 |
| Part No.     | 4357001   |

### TITAN SINTOPOID 4218 SAE 70W-80

BluEV  
TECHNOLOGY

#### PREMIUM PERFORMANCE

TITAN SINTOPOID 4218 70W-80 is a premium performance Axle Gear Oil for passenger cars, including high-offset hypoid drives. Specially developed for BMW hypoid gears, it features state-of-the-art additive technology to deliver outstanding protection and performance over the life of the fluid. Featuring FUCHS BluEV Technology, it is additionally suitable for a wide range of hybrid vehicles.

- Excellent wear protection
- Excellent shear stability
- Outstanding oxidation stability
- Promotes transmission cleanliness
- Outstanding sealing material compatibility
- BluEV Technology suitable for selected hybrid vehicles.

#### Specifications

- API GL-5

#### Approvals

- BMW G3
- BMW 83 22 2 413 512
- BMW 83 22 2 460 180
- BMW 83 22 2 471 423

#### Recommendations

- N/A

|              |           |
|--------------|-----------|
| Pack Sizes   | 1L        |
| Material No. | 602031327 |
| Part No.     | 5355001   |

# TRANSMISSION, POWER STEERING AND CENTRAL HYDRAULIC FLUIDS

FUCHS delivers advanced Transmission, Power Steering, and Central Hydraulic Fluids, ensuring reliable performance, protection, and efficiency for today's demanding vehicle systems.

## AUTOMATIC TRANSMISSION FLUIDS



### TITAN ATF 9134 FE

#### PREMIUM PERFORMANCE

TITAN ATF 9134 FE is a product based on selected base oils and state-of-the-art additive technology for use in Mercedes-Benz 9-G Tronic (725.0/1) stepped automatic transmissions. The extremely low viscosity of TITAN ATF 9134 FE offers an enormous potential for fuel savings and very good low-temperature properties. The product also features low oil consumption and optimized friction coefficient stability.

#### Specifications

- N/A

#### Approvals

- MB-APPROVAL 236.17

#### Recommendations

- NISSAN MATIC P

| Pack Sizes   | 1L        | 20L       |
|--------------|-----------|-----------|
| Material No. | 602298539 | 601846861 |
| Part No.     | 5191001   | 5191020   |

### TITAN ATF 7134 FE

#### PREMIUM PERFORMANCE

TITAN ATF 7134 FE is a premium performance fuel-economy ATF with reduced viscosity. Especially developed for Mercedes Benz 7-G Tronic Plus (NAG II +) . Not backwards compatible with previous MB ATF specifications.

- Outstanding fuel efficiency and thus reduced CO<sub>2</sub> emissions.
- Excellent friction properties across the extended service interval
- Suitable for selected hybrid vehicles subject to OEM requirements.
- Excellent ageing stability and wear protection even under high loads.

#### Specifications

- N/A

#### Approvals

- MB-APPROVAL 236.15

#### Recommendations

- N/A

| Pack Sizes   | 5L        | 20L       |
|--------------|-----------|-----------|
| Material No. | 602298508 | 602298492 |
| Part No.     | 4929005   | 4929020   |

# AUTOMATIC TRANSMISSION FLUIDS

## TITAN ATF 6400

**BluEV**  
TECHNOLOGY

### PREMIUM PERFORMANCE

TITAN ATF 6400 is a premium performance ATF with reduced viscosity specifically formulated for automatic transmissions of Japanese and American manufacturers; licensed according to DEXRON VI. With FUCHS BluEV Technology, additionally applicable in hybrid vehicles of different manufacturers.

- DEXRON VI approval
- Meets JASO M315 1A-LV for use in Japanese automatic transmissions
- Excellent friction stability for constantly smooth gear shifting throughout service interval
- Supported by real-world testing in a range of passenger vehicles after nearly 1,000,000km
- Excellent shear stability ensures long-term performance
- Thanks to FUCHS BluEV Technology suitable for selected hybrid vehicles.

#### Specifications

- FORD MERCON LV
- JASO M315 TYPE 1A-LV

#### Approvals

- DEXRON VI (T62BEZ075)
- ZF TE-ML 09

#### Recommendations

- AISIN WARNER/AW-1
- BMW 81 22 9 400 272
- BMW 81 22 9 400 275
- BMW 81 22 9 407 738
- BMW 83 22 0 397 114
- BMW 83 22 0 403 248
- BMW 83 22 0 403 249
- BMW 83 22 0 432 807
- BMW 83 22 2 163 514
- BMW 83 22 2 167 718
- BMW 83 22 2 167 720
- BMW 83 22 2 355 599
- BMW 83 22 2 355 601
- BMW 83 22 9 407 858
- BMW 83 22 9 407 859
- DEXRON HP
- FIAT 9.55550-AV2
- FIAT 9.55550-AV6
- GM 9256039/88863400
- HONDA DW-1
- HYUNDAI NWS 9638
- HYUNDAI SP-IV
- HYUNDAI SP-IV M
- HYUNDAI SP-IV RR
- JWS 3324
- KIA SP-IV
- MB 236.41
- MITSUBISHI ATF-J3
- MITSUBISHI ATF-PA
- MITSUBISHI MA1
- NISSAN MATIC S
- TOYOTA TYPE WS
- VW G 055 540 A2

| Pack Sizes   | 4L        | 20L       | 60L       | 205L      |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602291431 | 602291448 | 602291455 | 602294890 |
| Part No.     | 4932004   | 4932020   | 4932060   | 4932205   |

## TITAN ATF 6008

**BluEV**  
TECHNOLOGY

### PREMIUM PERFORMANCE

TITAN ATF 6008 is a premium performance ATF based on the sustainable FUCHS Advanced Circular Technology (ACT), specially developed to optimise the shifting performance of ZF automatic transmissions incl. hybrid applications. With FUCHS BluEV Technology additionally applicable in hybrid vehicles of different manufacturers. Product dyeing: green.

- Excellent friction stability for smooth gear shifting throughout the drain interval
- Strong noise vibration harshness protection
- Outstanding protection against ageing and oxidation for extended drain intervals
- Outstanding anti wear additive chemistry
- Suitable for selected hybrid vehicles subject to OEM requirements.

#### Specifications

- N/A

#### Approvals

- N/A

#### Recommendations

- Bentley JNV 862 564 D
- BMW 83 22 2 152 426
- BMW 83 22 2 289 720 (ATF 3+)
- BMW 83 22 2 305 397 (ATF 3)
- CHRYSLER 68157995AA
- FIAT 9.55550-AV5
- JAGUAR 02JDE 26444
- LAND ROVER LR023288
- MB 236.82
- VW G 055 162
- VW G 060 162

| Pack Sizes   | 20L       |
|--------------|-----------|
| Material No. | 602298485 |
| Part No.     | 4910020   |

## TITAN ATF 6006

### PREMIUM PERFORMANCE

TITAN ATF 6006 is a premium performance ATF, specially developed to optimise the shifting performance of ZF automatic transmissions.

- Excellent friction stability for smooth gear shifting throughout the drain interval
- Outstanding protection against ageing and oxidation
- Excellent shear stability ensures long-term performance.

| Specifications  | Approvals   | Recommendations   |
|---|---|---|
| <ul style="list-style-type: none"> <li>■ N/A</li> </ul> | <ul style="list-style-type: none"> <li>■ N/A</li> </ul> | <ul style="list-style-type: none"> <li>■ AML Oil No. 4G4319A509/AA/S</li> <li>■ BENTLEY PY112995PA</li> <li>■ BMW 83 22 0 142 516</li> <li>■ BMW 83 22 0 144 137</li> <li>■ BMW 83 22 2 305 396</li> <li>■ FORD MERCON SP</li> <li>■ HYUNDAI 040000C90SG</li> <li>■ JAGUAR FLUID 8432</li> <li>■ LAND ROVER TYK500050</li> <li>■ MASERATI 231603</li> <li>■ VW G 055 005</li> </ul> |

| Pack Sizes   | 4L        | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602291158 | 602298478 | 602294883 |
| Part No.     | 4909004   | 4909020   | 4909205   |

## TITAN ATF 5500

### PREMIUM PERFORMANCE

TITAN ATF 5500 is a premium performance ATF for automatic transmission in motor vehicles. Outstanding base oil quality for optimal cold temperature properties and high ageing stability. Durable friction properties for excellent shift performance.

TITAN ATF 5500 has been designed based on selected high-quality base oils and a specially developed additive technology. It is highly thermally durable, offers extreme oxidation stability and offers also a reliable performance at very low temperatures. TITAN ATF 5500 is applicable in many applications in passenger cars as well as light and heavy duty vehicles.

- Outstanding protection against ageing and oxidation
- Excellent friction properties across the entire service interval
- Excellent viscosity-temperature behaviour across a wide temperature range
- Outstanding wear protection under all operating conditions.

| Specifications  | Approvals  | Recommendations  |
|---|--|--|
| <ul style="list-style-type: none"> <li>■ N/A</li> </ul> | <ul style="list-style-type: none"> <li>■ DTFR 13C170</li> <li>■ EvoBus 27.000-017</li> <li>■ MAN 339 TYPE V1</li> <li>■ MAN 339 TYPE V2</li> <li>■ MAN 339 TYPE V3</li> <li>■ MAN 339 TYPE Z3</li> <li>■ MAN 339 TYPE Z12</li> <li>■ MB-APPROVAL 236.93</li> <li>■ VOITH 150.014524.xx</li> <li>■ VOLVO 97341</li> <li>■ ZF TE-ML 04D, 14C, 16M, 16S, 20C, 25C (ZF001797)</li> </ul> | <ul style="list-style-type: none"> <li>■ DEXRON III (H)</li> <li>■ ALLISON TES 295</li> <li>■ ALLISON TES 389</li> <li>■ IVECO 18-1807 CLASSE AG3/I</li> <li>■ MAN 339 TYPE Z4</li> <li>■ MB 236.9</li> <li>■ VOITH H55.6336.xx</li> </ul> |

| Pack Sizes   | 4L        | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602290540 | 602298447 | 602298454 |
| Part No.     | 4845004   | 4845020   | 4845205   |

# AUTOMATIC TRANSMISSION FLUIDS

## TITAN ATF 4400

### ULTRA HIGH PERFORMANCE

TITAN ATF 4400 is a ultra-high performance ATF specifically formulated for Japanese passenger cars and light-duty vehicles; also suitable for vehicles of several European and American manufacturers.

- Shear stable across the entire service interval
- Outstanding anti-wear performance, across entire service interval
- Highly effective ageing and oxidation stability.

#### Specifications

- JASO M315 TYPE 1A

#### Approvals

- N/A

#### Recommendations

- DEXRON III (H)
- BMW MINI 83 22 0 402 413
- BMW MINI 83 22 7 542 290
- CHRYSLER MS7176E/9602 (ATF +3/+4)
- DAIHATSU ALUMIX ATF MULTI
- FIAT 9.55550-AV1/AV4
- FORD MERCON
- FORD MERCON V
- FORD M2C924-A/M2C922-A1
- FORD WSS-M2C919-E
- FORD WSS-M2C202-B
- GM 9986195
- HONDA ATF Z-I
- HYUNDAI SP III
- ISUZU BESCO ATF -II/ATF -III/ATF WSI
- JATCO 3100 PL085/FWD (N402)/JF506E (K17)
- JWS 3309/TYP T-IV
- MAZDA ATF D-III/ATF M-3/M-V
- MITSUBISHI ATF-J2/SP-II-III
- NISSAN MATIC C/D/J
- SAAB 3309
- SUBARU ATF OIL/ATF OIL SPECIAL/ATF HP
- SUZUKI ATF 3309/3317
- TOYOTA TYPE D-2/T/T-II/T-III/T-IV
- VW G 052 990/055 025

| Pack Sizes   | 1L        | 4L        | 20L       | 60L       | 205L      |
|--------------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602298430 | 602291509 | 602291516 | 602291523 | 600700911 |
| Part No.     | 4935001   | 4935004   | 4935020   | 4935060   | 4935205   |

## TITAN ATF 4134

### ULTRA HIGH PERFORMANCE

TITAN ATF 4134 is a ultra-high performance ATF, especially developed to optimise the shifting performance of Mercedes-Benz automatic transmissions.

- High Viscosity Index for optimised low-temperature properties
- Outstanding efficiency and fuel economy
- Excellent friction properties across the extended service interval
- Optimised protection against NVH
- Highly effective ageing and oxidation stability
- Improves smooth gear changes in ageing transmissions.

#### Specifications

- N/A

#### Approvals

- MB-APPROVAL 236.14
- SSANGYONG (MB-automatic transmissions)

#### Recommendations

- N/A

| Pack Sizes   | 5L        | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602298416 | 602298393 | 602298409 |
| Part No.     | 4072005   | 4072020   | 4072205   |

## TITAN ATF D3

### HIGH PERFORMANCE

TITAN ATF D3 is a multifunctional ATF for passenger cars and commercial vehicles requiring a Dexron® III specification, providing longer life and smoother gear shifts.

Specially formulated to conform to GM and Ford specifications. Supercedes Dexron®. Not suitable where Dexron® VI is called for

- Good cold-flow properties for reliable shifting, lubrication and wear protection
- Optimal clutch friction characteristics for smoother operation
- Outstanding anti-wear performance, across entire service interval
- Additive formulation to boost ageing and oxidation stability.

|                                |                           |   |
|--------------------------------|---------------------------|---|
| <b>Specifications</b><br>■ N/A | <b>Approvals</b><br>■ N/A | <b>Recommendations</b><br>■ ALLISON C4<br>■ CATERPILLAR TO-2<br>■ FORD MERCON®<br>■ DEXRON® III |
|--------------------------------|---------------------------|---|

| Pack Sizes          | 1L        | 4L        | 20L       | 60L       | 205L      | 1000L     |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>Material No.</b> | 602282385 | 602282392 | 602282408 | 602282422 | 602282446 | 602282439 |
| <b>Part No.</b>     | 2121001   | 2121004   | 2121020   | 2121060   | 2121205   | 21211000  |

## TITAN ATF CVT FLEX

### PREMIUM PERFORMANCE

TITAN ATF CVT FLEX is a premium performance CVTF based on the sustainable FUCHS Advanced Circular Technology (ACT) specially designed for use in many CVT-gearboxes using push-belts or transmission chains made of steel.

- Advanced Circular Technology (ACT) provides lower carbon footprint
- Excellent friction properties across the extended service interval
- Excellent cold-start behaviour and fast oil circulation
- Superior protection against foaming
- Comprehensive application options across multiple manufacturers.

|                                |                           |  |
|--------------------------------|---------------------------|--|
| <b>Specifications</b><br>■ N/A | <b>Approvals</b><br>■ N/A | <b>Recommendations</b><br>■ BMW 83 22 0 136 376<br>■ BMW 83 22 0 429 154<br>■ CHRYSLER CVTF+4<br>■ DAIHATSU AMMIX CVTF-DC/-DFE<br>■ DODGE/JEEP NS-2/CVTF+4<br>■ FORD WSS-M2C933-A/MERCON C<br>■ GM 19260800<br>■ GM DEX-CVT<br>■ GM HP CVTF<br>■ HONDA HCF-2<br>■ HYUNDAI/KIA SP-CVT1<br>■ MAZDA CVTF 3320<br>■ MITSUBISHI CVTF-J1/J4<br>■ NISSAN NS-1/NS-2/NS-3<br>■ SUBARU Lineartronic CV-30/CVTF/CVTF<br>■ I/ECVT/ iCVT<br>■ SUZUKI TC/NS-2/CVT Green 1/CVT<br>■ Green 2/CVTF 3320<br>■ TOYOTA TC/CVT FE<br>■ VW TL 521 80 (G 052 180)<br>■ VW TL 525 16 (G 052 516) |
|--------------------------------|---------------------------|--|

| Pack Sizes          | 4L        | 20L       | 205L      |
|---------------------|-----------|-----------|-----------|
| <b>Material No.</b> | 602291967 | 602291974 | 602298621 |
| <b>Part No.</b>     | 4997004   | 4997020   | 4997205   |

# DOUBLE CLUTCH TRANSMISSION FLUIDS

## TITAN DCTF

### PREMIUM PERFORMANCE

TITAN DCTF is a premium performance DCTF. Specifically developed for use in modern double-clutch transmissions with wet clutches. Provides optimum wear protection and excellent friction properties even under highest loads.

- Excellent friction stability for constantly smooth gear shifting throughout the oil drain interval
- Provides components with an excellent wear protection
- Good oxidation stability and corrosion protection
- Outstanding low-temperature properties
- Market leading performance chemistry.

#### Specifications

- N/A

#### Approvals

- N/A

#### Recommendations

- FORD WSS-M2C936-A
- MITSUBISHI DIA QUEEN SSTF-1
- PSA 9734 S2
- VOLVO 1161838

| Pack Sizes   | 4L        | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602299345 | 602298706 | 602298713 |
| Part No.     | 4377004   | 4377020   | 43771000  |

## TITAN FFL-52529

**BluEV**  
TECHNOLOGY

### PREMIUM PERFORMANCE

TITAN FFL-52529 is a premium performance DCTF for ultimate friction stability and best fuel economy properties. Specially developed for the wet clutch of the DL382 (0CK) and DL382e transmission of the Volkswagen Group. With FUCHS BluEV Technology, additionally applicable in hybrid vehicles of different manufacturers such as VW.

- Friction characteristics formulated for the VW double-clutch system
- Excellent friction stability for constantly smooth gear shifting throughout the oil drain interval
- Excellent wear protection
- Outstanding compatibility with non-ferrous metals and electric components of hydraulic control circuits
- Superior protection against foaming
- Thanks to FUCHS BluEV Technology suitable for selected hybrid vehicles.

#### Specifications

- N/A

#### Approvals

- VW TL 52 529-C (G 055 529)

#### Recommendations

- N/A

| Pack Sizes   | 20L       |
|--------------|-----------|
| Material No. | 602298768 |
| Part No.     | 4983020   |

## TITAN FFL-10



### PREMIUM PERFORMANCE

TITAN FFL-10 is a premium performance dual clutch transmission fluid developed in an exclusive partnership with Mercedes-Benz for the specific demands of Mercedes-Benz double-clutch transmissions. It provides excellent wear protection and friction control to deliver unsurpassed shifting performance under high-load conditions throughout the life of the transmission. Featuring BluEV Technology it meets the requirements of conventional as well as hybrid drivetrains. Applicable in hybrid vehicles of different manufacturers such as Mercedes-Benz.

- Exclusive MB-APPROVAL 236.22
- Friction characteristics specifically optimised for the Mercedes-Benz double-clutch system
- Excellent wear protection.
- Superior protection against foaming
- Outstanding compatibility with non-ferrous metals and hydraulic control circuits
- BluEV Technology suitable for selected hybrid vehicles.

|                       |                      |                        |
|-----------------------|----------------------|------------------------|
| <b>Specifications</b> | <b>Approvals</b>     | <b>Recommendations</b> |
| ■ N/A                 | ■ MB-APPROVAL 239.21 | ■ N/A                  |
| <b>Pack Sizes</b>     | <b>20L</b>           |                        |
| <b>Material No.</b>   | 602046000            |                        |
| <b>Part No.</b>       | 5356001              |                        |

## TITAN FFL-7A



### PREMIUM PERFORMANCE

TITAN FFL-7A is a premium performance DCTF. Specially developed for the third generation wet clutch DCT of Magna GETRAG. With FUCHS BluEV Technology additionally applicable in hybrid vehicles of different manufacturers.

- Friction characteristics specifically optimised for the Magna GETRAG double-clutch system
- Excellent friction stability for constantly smooth gear shifting
- Excellent wear protection
- Superior protection against foaming
- FUCHS BluEV Technology suitable for selected hybrid vehicles
- Compatible with non-ferrous metals and electric components of hydraulic control circuits.

|                       |                  |  |
|-----------------------|------------------|--|
| <b>Specifications</b> | <b>Approvals</b> | <b>Recommendations</b>   |
| ■ N/A                 | ■ N/A            | <ul style="list-style-type: none"> <li>■ BMW 83 22 2 433 157 (DCTF 2)</li> <li>■ FORD WSS-M2C218-A1 (F-DC)</li> <li>■ MB 239.21</li> <li>■ MB 239.22</li> <li>■ RENAULT 77 11 785 243 (DW5)</li> <li>■ VW G 053 013</li> </ul> |
| <b>Pack Sizes</b>     | <b>1L</b>        |  |
| <b>Material No.</b>   | 602212962        |  |
| <b>Part No.</b>       | 5359001          |  |

## TITAN FFL-4

### PREMIUM PERFORMANCE

TITAN FFL-4 is a premium performance DCTF. Specifically developed for GETRAG/BMW double-clutch transmissions with wet clutch.

- Friction characteristics formulated for GETRAG/BMW double-clutch system
- Excellent friction stability for constantly smooth gear shifting throughout the oil drain interval
- Excellent wear protection
- Outstanding compatibility with non-ferrous metals and electric components of hydraulic control circuits
- Superior protection against foaming
- For exclusive use in double-clutch transmissions of BMW M class models.

|                       |                     |  |
|-----------------------|---------------------|--|
| <b>Specifications</b> | <b>Approvals</b>    | <b>Recommendations</b>   |
| ■ N/A                 | ■ GETRAG (PWA05043) | <ul style="list-style-type: none"> <li>■ BMW 83 22 0 440 214</li> <li>■ BMW 83 22 2 147 477</li> <li>■ BMW 83 22 2 148 578</li> <li>■ BMW 83 22 2 148 579</li> <li>■ BMW 83 22 2 446 673</li> <li>■ BMW DCTF 1</li> <li>■ BMW DCTF 1+</li> <li>■ FORD WSS-M2C936-A</li> <li>■ McLaren: MP4-12C</li> <li>■ MITSUBISHI DIA QUEEN SSTF-1</li> <li>■ PSA 9734 S2</li> <li>■ VOLVO 1161838</li> </ul> |
| <b>Pack Sizes</b>     | <b>20L</b>          |  |
| <b>Material No.</b>   | 602298751           |  |
| <b>Part No.</b>       | 4987020             |  |

# DOUBLE CLUTCH TRANSMISSION FLUIDS

## TITAN FFL-3

**BluEV**  
TECHNOLOGY

### PREMIUM PERFORMANCE

TITAN FFL-3 is a premium performance DCTF. Specifically developed for ZF/Porsche double-clutch transmissions with wet clutch. With FUCHS BluEV Technology additionally applicable in hybrid and electrical vehicles of different manufacturers such as Mercedes-Benz.

- Friction characteristics formulated for the ZF/Porsche double-clutch system
- Excellent friction stability for constantly smooth gear shifting throughout the oil drain interval
- Excellent wear protection
- Outstanding compatibility with non-ferrous metals and electric components of hydraulic control circuits
- Superior protection against foaming
- FUCHS BluEV Technology suitable for selected hybrid and electric vehicles.

#### Specifications

- N/A

#### Approvals

- MB-APPROVAL 236.24
- ZF TE-ML 11 (ZF004742)

#### Recommendations

- BMW 83 22 2 156 969 (MTF-LT-5)
- BMW 83 22 2 167 666 (MTF-LT-5)
- HYUNDAI 04300KX1BA
- JAGUAR LAND ROVER GX73-M1R564-AA
- PORSCHE 999 917 080 00

| Pack Sizes   | 20L       |
|--------------|-----------|
| Material No. | 601429897 |
| Part No.     | 4986020   |

## TITAN FFL-2

**BluEV**  
TECHNOLOGY

### PREMIUM PERFORMANCE

TITAN FFL-2 is a premium performance DCTF. Specially developed for VW DCTs with wet clutch. Provides optimum wear protection and excellent friction properties even under highest loads. Offers an optimum shifting performance throughout the lifetime of the transmission. With FUCHS BluEV Technology, additionally applicable in hybrid vehicles of different manufacturers such as VW.

- Friction characteristics specifically optimised for the VW double-clutch system
- Excellent friction stability for constantly smooth gear shifting throughout the oil drain interval
- Excellent wear protection
- Outstanding compatibility with non-ferrous metals and electric components of hydraulic control circuits
- Superior protection against foaming
- FUCHS BluEV Technology suitable for selected hybrid vehicles.

#### Specifications

- N/A

#### Approvals

- JAC DTF630
- VW TL 52 182 (G 052 182)

#### Recommendations

- N/A

| Pack Sizes   | 5L        | 20L       |
|--------------|-----------|-----------|
| Material No. | 602298744 | 602298737 |
| Part No.     | 4988005   | 4988020   |

# CENTRAL HYDRAULIC AND POWER STEERING FLUIDS

## TITAN CHF 11S POWER STEERING AND HYDRAULIC FLUID

### PREMIUM PERFORMANCE

TITAN CHF 11S is a premium performance power-steering and central-hydraulic fluid with a wide application and approval profile for various manufacturers.

- Excellent cold temperature viscosity behaviour
- Exceptionally good low-temperature performance
- Outstanding protection against corrosion and wear.
- High thermal and oxidative stability
- Outstanding anti-foam performance and quick air release
- Unique performance chemistry with approvals by major manufacturers.

#### Specifications

- FORD WSS-M2C204-A

#### Approvals

- CHRYSLER MS-11655B
- MAN M 3289
- MB-APPROVAL 345.0
- PSA S71 2710
- ZF TE-ML 02K (ZF004744)
- VW TL 52 146 (G 002 000)

#### Recommendations

- BENTLEY JNV862564F
- BMW 81 22 9 407 758
- BMW 82 11 1 468 041
- BMW 83 29 0 429 576
- FENDT X 902 011 622
- OPEL B 040 0070
- PORSCHE 000 043 203 33
- SAAB 3032 380
- VOLVO 1161529

|              |           |
|--------------|-----------|
| Pack Sizes   | 1L        |
| Material No. | 602298607 |
| Part No.     | 4947001   |

## TITAN CHF 202 POWER STEERING AND HYDRAULIC FLUID

BluEV  
TECHNOLOGY

### PREMIUM PERFORMANCE

TITAN CHF 202 is a premium performance power-steering and central-hydraulic fluid with a wide application and approval profile for various manufacturers. With FUCHS BluEV Technology, additionally applicable in hybrid and electric vehicles of different manufacturers.

- Excellent cold-temperature viscosity behaviour
- Very good protection against corrosion and wear
- High thermal and oxidative stability
- Outstanding anti-foam performance and quick air release
- Outstanding compatibility with non-ferrous metals and electric components of hydraulic control circuits
- FUCHS BluEV Technology suitable for selected hybrid and electric vehicles.

#### Specifications

- FORD WSS-M2C204-A

#### Approvals

- HYUNDAI 00232-19017
- OPEL B 040 2012
- VW TL 52 146.01 (G 004 000)

#### Recommendations

- AUDI/VW G 004 012
- PORSCHE 000 043 206 56
- PORSCHE 000 043 305 74
- SAAB 93160548
- VOLVO 30741424
- LAND ROVER LR003401

|              |           |
|--------------|-----------|
| Pack Sizes   | 1L        |
| Material No. | 602298614 |
| Part No.     | 4985001   |

# CENTRAL HYDRAULIC AND POWER STEERING FLUIDS

## TITAN PSF

### PREMIUM PERFORMANCE

TITAN PSF is a power steering fluid for the use in auxiliary equipment in automotive vehicles like power steering, fluid clutches and hydraulic components.

- Excellent anti-wear additive package
- Outstanding protection against ageing and oxidation
- Successful suppression of foaming prevents from cavitation
- Outstanding protection against corrosion and wear.

#### Specifications

- N/A

#### Approvals

- DTFR 38B100
- MB 236.3

#### Recommendations

- MB 236.3

#### Pack Sizes

1L

#### Material No.

602298911

#### Part No.

4946001

# TRANSFER CASE FLUID

## TITAN TCF 1

### PREMIUM PERFORMANCE

TITAN TCF 1 is a premium performance transfer case fluid specially designed for use in many transfer cases with a wet running clutch.

- Exclusive MB-APPROVAL 239.41
- High friction stability
- High shear stability
- Excellent cold-start performance temperature properties
- Very good wear protection
- Suitable for transfer cases with wet clutches of various manufacturers

#### Specifications

- N/A

#### Approvals

- MB-APPROVAL 239.41

#### Recommendations

- BMW 83 22 2 409 710 (BMW DTF 1)
- BMW 83 22 0 306 816
- BMW 83 22 0 397 244
- LAND ROVER IYK500010
- NISSAN 999-MP-TF0870P
- PORSCHE 000 043 301 36
- PORSCHE 000 043 305 63
- VW G 055 015
- VW G 052 515
- VW G 055 515

#### Pack Sizes

1L

#### Material No.

602063946

#### Part No.

5357001

# HYDRAULIC OILS AND BRAKE FLUIDS

FUCHS' broad range of high quality hydraulic oils and fluids are manufactured to the highest standards and provide efficient and reliable performance to meet the extreme operating conditions of Australia and New Zealand.



## RENOLIN B HVI PLUS RANGE

RENOLIN B HVI PLUS is a premium, high viscosity index (HVI) hydraulic oil. Based on multigrade technology with superior additives that provide improved ageing resistance, higher efficiency and excellent corrosion and wear protection.

### Specifications

- Bosch Rexroth
- Cincinnati Milacron
- Denison HF0
- DIN 51 524-3, HVLP
- ISO 6743-4
- US Steel
- Vickers
- Ford M-6C32
- Racine, variable volume vane pumps
- Sauer Danfoss (46 only)
- US Steel 126, 127
- VICKERS I 286-S, M 2950-S

|                               |            |             |              |              |
|-------------------------------|------------|-------------|--------------|--------------|
| <b>RENOLIN B 32 HVI PLUS</b>  | <b>5L</b>  | <b>20L</b>  | <b>205L</b>  |              |
| Material No.                  | 602281111  | 602281128   | 602281135    |              |
| Part No.                      | 1695005    | 1695020     | 1695205      |              |
| <b>RENOLIN B 46 HVI PLUS</b>  | <b>5L</b>  | <b>20L</b>  | <b>205L</b>  | <b>1000L</b> |
| Material No.                  | 602281142  | 602281159   | 602281173    | 602281166    |
| Part No.                      | 1696005    | 1696020     | 1696205      | 16961000     |
| <b>RENOLIN B 68 HVI PLUS</b>  | <b>5L</b>  | <b>20L</b>  | <b>205L</b>  | <b>1000L</b> |
| Material No.                  | 602281180  | 602281197   | 600627508    | 602281210    |
| Part No.                      | 1697005    | 1697020     | 1697205      | 16971000     |
| <b>RENOLIN B 100 HVI PLUS</b> | <b>20L</b> | <b>205L</b> | <b>1000L</b> |              |
| Material No.                  | 602283337  | 602283368   | 602283351    |              |
| Part No.                      | 2508020    | 25080205    | 25081000     |              |
| <b>RENOLIN B 150 HVI PLUS</b> | <b>20L</b> |             |              |              |
| Material No.                  | 602283856  |             |              |              |
| Part No.                      | 3153021    |             |              |              |

# HYDRAULIC OILS

## RENOLIN B PLUS RANGE

The RENOLIN B PLUS RANGE is a premium, hydraulic oil for use in a wide range of hydraulic systems. Superior additives provide improved ageing resistance, corrosion protection and wear protection.

- Excellent oxidation stability and resistance to ageing
- High anti-wear additive package
- Wide service temperature range

### Specifications

- AFNOR E48-603
- Bosch Rexroth (46 only)
- Cincinnati Milacron P-68, P-69, P-70
- Denison HF-1, HF-2, HF-0
- DIN 51524-2: HLP

| RENOLIN B 32 PLUS  | 5L        | 20L       | 205L      | 1000L     |
|--------------------|-----------|-----------|-----------|-----------|
| Material No.       | 602280718 | 602280725 | 601447853 | 602280749 |
| Part No.           | 1666005   | 1666020   | 1666205   | 16661000  |
| RENOLIN B 46 PLUS  | 5L        | 20L       | 205L      | 1000L     |
| Material No.       | 602280763 | 602280770 | 601447860 | 602280794 |
| Part No.           | 1667005   | 1667020   | 1667205   | 16671000  |
| RENOLIN B 68 PLUS  | 5L        | 20L       | 205L      | 1000L     |
| Material No.       | 602280817 | 602280824 | 601447891 | 602280848 |
| Part No.           | 1668005   | 1668020   | 1668205   | 16681000  |
| RENOLIN B 100 PLUS | 20L       | 205L      | 1000L     |           |
| Material No.       | 602280664 | 601447907 | 602280688 |           |
| Part No.           | 1663020   | 16630205  | 16631000  |           |

## BRAKE FLUIDS

### TITAN DOT 3

TITAN DOT 3 is a high performance brake fluid for hydraulic brake systems and clutch actuation in passenger cars, trucks and motorcycles.

- Provides reliable braking performance for conventional vehicles
- Protects against vapour lock and corrosion for safe, consistent braking.

| Specifications   | Approvals   | Recommendations   |
|--|---|---|
| <ul style="list-style-type: none"> <li>■ AS1960.1-2005 (Class 1)</li> <li>■ FMVSS NO. 116 DOT 3</li> <li>■ ISO 4925 CLASS 3</li> <li>■ SAE J 1703</li> </ul> | <ul style="list-style-type: none"> <li>■ N/A</li> </ul> | <ul style="list-style-type: none"> <li>■ Toyota 0882380220</li> </ul> |
| <b>Pack Sizes</b>  | 500ml   |   |
| <b>Material No.</b>  | 602780041   |   |
| <b>Part No.</b>  | 5372500   |   |

### TITAN DOT 4

TITAN DOT 4 is a premium performance brake fluid meeting the requirements of ISO 4925 CLASS 3/4. Brake fluid should be changed every 24 months under standard driving conditions in order to maintain protection against vapour lock and corrosion.

NOTE: Must not be used in brake or hydraulic systems in which the use of mineral- or silicone-based fluids (e.g. LHM or DOT 5) is specified.

- Higher performance for modern hydraulic brake and clutch systems
- Protects against vapour lock and corrosion for long-term safety

| Specifications   | Approvals   | Recommendations   |           |
|--|---|---|-----------|
| <ul style="list-style-type: none"> <li>■ AS 1960.1-2005 (Grade 3)</li> <li>■ FMVSS NR. 116 DOT 3/4</li> <li>■ ISO 4925 CLASS 3/4</li> <li>■ SAE J1703/J1704</li> </ul> | <ul style="list-style-type: none"> <li>■ N/A</li> </ul> | <ul style="list-style-type: none"> <li>■ Continental ATE N55311.05</li> <li>■ Nissan NES-M5055</li> </ul> |           |
| <b>Pack Sizes</b>  | 500ml   | 4L  | 20L       |
| <b>Material No.</b>  | 602780065   | 602783639   | 602780072 |
| <b>Part No.</b>  | 5373500   | 5373004   | 5373020   |

### TITAN DOT 5.1LVA

**BluEV**  
TECHNOLOGY

TITAN DOT 5.1LVA is a premium performance brake fluid meeting the requirements of 4925 Class 7. Due to the low viscosity, fast actuation is possible ensuring that ESP and ABS safety systems operate properly even at cold temperatures. Featuring FUCHS BluEV Technology, this product meets the requirements for hydraulic brake systems used in conventional, hybrid and electric vehicles.

NOTE: The vehicle manufacturer's recommendations are to be adhered to when using TITAN DOT 5.1LVA brake fluid. Must not be used in brake or hydraulic systems in which the use of mineral- or silicone-based fluids (e.g. LHM or DOT 5) is specified.

- Meets ISO 4925 CLASS 7 standards.
- Low viscosity ensures faster response for ABS and ESSP systems
- Excellent protection against bubble formation due to its very high dry and wet boiling point.
- Suitable for conventional, hybrid, and electric vehicles.

| Specifications   | Approvals   | Recommendations  |
|--|---|--|
| <ul style="list-style-type: none"> <li>■ AS1960.1-2005 (Grade 3 polyglycol)</li> <li>■ FMVSS NR. 116 DOT 3/4/5.1</li> <li>■ ISO 4925 CLASS 3/4/5-1/6/7</li> <li>■ JIS K 2233 CLASS 3/4/5/6</li> <li>■ SAE J1703/J1704</li> </ul> | <ul style="list-style-type: none"> <li>■ N/A</li> </ul> | <ul style="list-style-type: none"> <li>■ BMW QV 34001</li> <li>■ FORD ESZ-M6C55-A/M6C65-A2</li> <li>■ HN1796/GMW 3356</li> <li>■ PSA 571 2114</li> <li>■ MB 331.0</li> <li>■ VOLVO CARS TR 33413395-02</li> <li>■ VW TL766-X</li> <li>■ VW TL766-Y/TL766-Z</li> <li>■ VW 501 14</li> </ul> |
| <b>Pack Sizes</b>  | 500ml   |  |
| <b>Material No.</b>  | 602779717   |  |
| <b>Part No.</b>  | 5371500   |  |

# COOLANTS

FUCHS' selection of Coolants are available in both Concentrate and Premix and feature an extensive selection of Specifications, Approvals and Recommendations.



## CONCENTRATES

### FRICOFIN CV

Premium Performance, long-life anti-freeze, anti-boil engine heavy-duty coolant, free of nitrites, borates, amines, phosphates and silicates with 2-EHA free, OAT-technology. Product colour: Red.

FRICOFIN CV is a concentrated, long-life anti-freeze/anti-boil coolant and corrosion inhibitor. FRICOFIN CV is free of borates, nitrites, amines, silicates and phosphates and is formulated using highly efficient OAT (Organic Acid Technology). Recommended for use at 50% in water.

FRICOFIN CV is used as a coolant for on- and off-highway engines used in passenger vehicles, trucks, buses, agricultural equipment, marine, stationary and power generation engines where glycol-based antifreeze coolants are required. It is compatible with most glycol-based engine coolants. This product has been designed to provide a single solution for operators where mixed fleets of equipment are in use.

#### Specifications

- AFNOR NF R15-601
- ASTM D2895
- ASTM D3306-20 Type I
- ASTM D 4985
- AS/NZS 2108:2004 TYPE A
- BS 6580:2010
- China GB 29743-2013
- FVV Heft R443
- SAE J1034

#### Approvals

- N/A

#### Recommendations

- BAIC GROUP FOTON Q-FPT 2313005-2013
- Bergen Engines 2.13.01
- CAT EC-1
- CNH MAT 3624/CNH MAT 3724
- CUMMINS CES 14603, CES 14439
- DAF 74002
- DETROIT DIESEL 93K217
- DEUTZ DQC CB-14
- FORD WSS-M97B44-D
- GM 6277M/GMW 3240/GMW 18270
- Jaguar/Land Rover STJLR.03.5212
- JASO M325
- JCB 00088
- JIS K2234
- Komatsu 07.892 (2017)
- LIEBHERR MD 1-36-130
- MAN 324 TYPE SNF
- MAN ENERGY SOLUTIONS CW 28 33
- MB 325.3 / DTFR 29C120
- MTU MTL 5048
- Toyota TSK2601G
- UNE 26-361-88/1
- VOLVO COOLANT VCS (STD 418-0001)
- VOLVO COOLANT VCS-2 (STD 408-0007)
- VOLVO COOLANT XLC (STD 418-0005)
- VW TL774D/F

| Pack Sizes   | 20L       | 205L      |
|--------------|-----------|-----------|
| Material No. | 602709479 | 602709462 |
| Part No.     | 5227020   | 5227205   |

### FRICOFIN MP

Premium Performance Coolant Concentrate based on monoethylene glycol. Free of 2-EHA, silicates and nitrites. At a mix rate of 50% in water it will provide freezing protection down to -37°C. Product colour: Green.

FRICOFIN MP is recommended for use in light and heavy-duty automotive applications as well as many off-highway constructions and agricultural applications.

FRICOFIN MP is free of 2-EHA, silicates and nitrites, reliably preventing highly loaded engines from frost, overheating, corrosion and cavitation. This most efficient protection extends to all metals in the cooling system, especially aluminium.

#### Specifications

- ASTM D2895
- ASTM D3306-20 Type I
- ASTM D 4985
- AS/NZS 2108:2004 TYPE A
- BS 6580:2010
- SAE J1034

#### Approvals

- N/A

#### Recommendations

- CASE MS 1710
- DETROIT DIESEL 75E298
- FORD ESE-M97B44-A
- FORD ESE-M97B18-C
- FORD WSS M97B51-A1
- GM 1825M/GM 1899M
- GM HN 2217
- JASO M325
- JIS K2234
- MAN 324 TYPE SNF
- MAZDA MEZ MN 121 D
- MB 325.3 / DTFR 29C120
- NEW HOLLAND WSN-M97B18-D
- SAAB 690 1599
- TMC RP 329

| Pack Sizes   | 20L       | 205L      |
|--------------|-----------|-----------|
| Material No. | 602708625 | 602708618 |
| Part No.     | 5226020   | 5226305   |

## FRICOFIN DP



Ultra-high performance coolant additive based on monoethylene glycol. Free from nitrite, amine and phosphate.

FRICOFIN DP is an antifreeze coolant concentrate based on monoethylene glycol. It is free of nitrite, amine and phosphate. FRICOFIN DP fulfils the requirements of the major heavy-duty and passenger car OEMs. Additionally both passenger car and heavy-duty applications are reliably protected against damages caused by cavitation, frost, corrosion and overheating especially in highly stressed aluminium engines.

| Specifications  | Approvals   | Recommendations   |
|---|---|---|
| <ul style="list-style-type: none"> <li>■ ANOR NF R 15-601 TYPE 3</li> <li>■ ASTM D3306-20 Type I</li> <li>■ ASTM D 4985</li> <li>■ BS 6580:2010</li> <li>■ SAE J814</li> <li>■ UNE 26-361-88/1</li> </ul> | <ul style="list-style-type: none"> <li>■ CUMMINS CES 14603</li> <li>■ DETROIT DIESEL 93K217</li> <li>■ DEUTZ DQC CC-14</li> <li>■ DTFR 29C120</li> <li>■ MAN 324 TYPE Si-OAT</li> <li>■ MB-Approval 325.6</li> <li>■ MTU MTL 5048</li> <li>■ VW TL 774-G (G12++)</li> <li>■ VOITH (172.00225040 - Type Si-OAT)</li> </ul> | <ul style="list-style-type: none"> <li>■ ASTM D 6210 TYPE I</li> <li>■ IVECO 18-1830</li> <li>■ MB 325.5</li> <li>■ PN-C 40007:2000</li> <li>■ SCANIA TB 1451</li> <li>■ VW TL 774-J (G13)</li> </ul> |

| Pack Sizes   | 20L       |
|--------------|-----------|
| Material No. | 602287175 |
| Part No.     | 4376020   |

## PREMIXED

### FRICOFIN CV 50

Premium Performance, long-life anti-freeze, anti-boil engine heavy-duty coolant, free of nitrites, borates, amines, phosphates and silicates with 2-EHA free, OAT-technology. Product colour: Red.

FRICOFIN CV 50 is a prediluted, ready to use, long-life anti-freeze/anti-boil coolant and corrosion inhibitor. FRICOFIN CV 50 is free of borates, nitrites, amines, silicates and phosphates and is formulated using highly efficient OAT (Organic Acid Technology).

FRICOFIN CV 50 is used as a coolant for on- and off-highway engines used in passenger vehicles, trucks, buses, agricultural equipment, marine, stationary and power generation engines where glycol-based antifreeze coolants are required. It is compatible with most glycol-based engine coolants. This product has been designed to provide a single solution for operators where mixed fleets of equipment are in use.

| Specifications  | Approvals   | Recommendations  |
|---|---|--|
| <ul style="list-style-type: none"> <li>■ AFNOR NF R15-601</li> <li>■ ASTM D2895</li> <li>■ ASTM D3306-20 Type III</li> <li>■ ASTM D 4985</li> <li>■ AS/NZS 2108:2004 TYPE A</li> <li>■ BS 6580:2010</li> <li>■ China GB 29743-2013</li> <li>■ FVV Heft R443</li> <li>■ SAE J1034</li> </ul> | <ul style="list-style-type: none"> <li>■ N/A</li> </ul> | <ul style="list-style-type: none"> <li>■ BAIC GROUP FOTON Q-FPT 2313005-2013</li> <li>■ Bergen Engines 2.13.01</li> <li>■ CAT EC-1</li> <li>■ CNH MAT 3624/CNH MAT 3724</li> <li>■ CUMMINS CES 14603, CES 14439</li> <li>■ DAF 74002</li> <li>■ DETROIT DIESEL 93K217</li> <li>■ DEUTZ DQC CB-14</li> <li>■ FORD WSS-M97B44-D</li> <li>■ GM 6277M/GMW 3240/GMW 18270</li> <li>■ Jaguar/Land Rover STJLR.03.5212</li> <li>■ JASO M325</li> <li>■ JCB 00088</li> <li>■ JIS K2234</li> <li>■ Komatsu 07.892 (2017)</li> <li>■ LIEBHERR MD 1-36-130</li> <li>■ MAN 324 TYPE SNF</li> <li>■ MAN ENERGY SOLUTIONS CW 28 33</li> <li>■ MB 326.3/DTFR 29D120</li> <li>■ MTU MTL 5048</li> <li>■ Toyota TSK2601G</li> <li>■ UNE 26-361-88/1</li> <li>■ VOLVO COOLANT VCS (STD 418-0001)</li> <li>■ VOLVO COOLANT VCS-2 (STD 408-0007)</li> <li>■ VOLVO COOLANT XLC (STD 418-0005)</li> <li>■ VW TL774D/F</li> </ul> |

| Pack Sizes   | 5L        | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602708595 | 602302786 | 602302793 | 602302854 |
| Part No.     | 5771005   | 5771020   | 5771205   | 57711000  |

# COOLANTS

## PREMIXED

### FRICOFIN MP 50

Premium Performance Coolant Pre-Mix based on monoethylene glycol. Free of 2-EHA, silicates and nitrites. Offers freezing protection down to -37°C. Product colour: Green.

FRICOFIN MP 50 is recommended for use in light and heavy-duty automotive applications as well as many off-highway constructions and agricultural applications.

FRICOFIN MP 50 is free of 2-EHA, silicates and nitrites, reliably preventing highly loaded engines from frost, overheating, corrosion and cavitation. This most efficient protection extends to all metals in the cooling system, especially aluminium.

#### Specifications

- ASTM D2895
- ASTM D3306-20 Type III
- ASTM D 4985
- AS/NZS 2108:2004 TYPE A
- BS 6580:2010
- SAE J1034

#### Approvals

- N/A

#### Recommendations

- CASE MS 1710
- DETROIT DIESEL 7SE298
- FORD ESE-M97B44-A
- FORD ESE-M97B18-C
- FORD WSS M97B51-A1
- GM 1825M/GM 1899M
- GM HN 2217
- JASO M325
- JIS K2234
- MAN 324 TYPE SNF
- MAZDA MEZ MN 121 D
- MB 326.3/DTR 29D120
- NEW HOLLAND WSN-M97B18-D
- SAAB 690 1599
- TMC RP 329

| Pack Sizes   | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|
| Material No. | 602302762 | 602302779 | 602302847 |
| Part No.     | 5770020   | 5770205   | 57701000  |

### FRICOFIN EVO 50

A ready to use coolant based on ethylene-glycol and a state-of-the-art silicate inhibitor technology, combined with phosphate and an organic base (PSI-OAT), that offers outstanding corrosion protection and heat rejection.

As the name suggests, FRICOFIN EVO 50 meets the latest, challenging requirements of modern engines of the Volkswagen Group. FRICOFIN EVO 50 is officially approved by Volkswagen for their VW TL 774-L (G12EVO).

May be used to top up FRICOFIN DP and FRICOFIN DP 50.

#### Specifications

- AS 2108:2004 TYPE B
- ASTM D 3306 TYPE III
- ASTM D 4985
- BS 6580:2010
- China GB 29743-2013
- CUNA NC 956-16
- JIS K 2234:2006
- ÖNORM V 5123
- PN-C40007:2000
- SAE J1034
- SANS 1251:2005

#### Approvals

- DEUTZ DQC CC-14
- VW TL 774-L (G12EVO)

#### Recommendations

- BMW LC-18, LC-97, LC-87
- MWM TR 2091
- VOLVO CARS (TR-31854114-002)

| Pack Sizes   | 1L        | 5L        |
|--------------|-----------|-----------|
| Material No. | 602302328 | 602302335 |
| Part No.     | 5215001   | 5215005   |

## FRICOFIN DP 50

BluEV  
TECHNOLOGY

Ultra high performance coolant ready-mix based on monoethylene glycol. Offers frost protection down to -35°C. Free from nitrite, amine and phosphate.

FRICOFIN DP 50 is a coolant ready-mix based on monoethylene glycol and demineralized water for commercial vehicle and passenger car engines as well as stationary installed combustion engines. As a premixed Si-OAT antifreeze it combines inhibitors of organic acids with highest change intervals with fast reagent silicates.

FRICOFIN DP 50 is free of nitrite, amine and phosphate.

### Specifications

- AFNOR NF R 15-601 TYPE 3
- ASTM D 3306 TYPE III
- ASTM D 4985
- BS 6580:2010
- SAE J814

### Approvals

- CUMMINS CES 14603
- DEUTZ DQC CC-14
- DETROIT DIESEL 93K217
- DTFR 29D120 (former MB 326.5)
- MAN 324 TYPE SI-OAT
- MB-APPROVAL 326.6
- MTU MTL 5048
- VW TL 774-G (G12++)
- VOITH (172.00225040 – Type Si-OAT)

### Recommendations

- ASTM D 6210 TYPE III
- IVECO 18-1830
- MB 326.5
- PN-C 40007:2000
- SCANIA TB 1451
- VW TL 774-J (G13)

| Pack Sizes   | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|
| Material No. | 602291127 | 602291141 | 602314284 |
| Part No.     | 4898020   | 4898205   | 48981000  |

## FRICOFIN 50

Premium performance coolant ready-mix based on monoethylene glycol. Free of nitrites, amines and phosphates with hybrid technology. Offers frost protection down to -37°C. Product dyeing: blue-green.

FRICOFIN 50 is an antifreeze coolant based on monoethylene glycol. It is free of nitrite, amine and phosphate. Due to its additive composition FRICOFIN 50 belongs to the hybrid type coolants. FRICOFIN 50 provides reliable protection against damages caused by cavitation, frost, corrosion and overheating for both modern passenger car and heavy-duty engines. Due to its highly active component package, FRICOFIN 50 protects all metals used in coolant systems. At the same time it preserves seals, plastics and hoses.

### Specifications

- AFNOR NF R 15-601 TYPE 3
- ASTM D 3306 TYPE III
- ASTM D 4985
- BS 6580:2010
- SAE J814

### Approvals

- DEUTZ DQC CA-14
- DTFR 29D100 (MB 326.0)
- MAN 324 TYPE NF
- MTU MTL 5048

### Recommendations

- BMW LC-87 (BMW GS 94000)
- DAF 74001
- GM 1899-M
- NNIO JENBACHER TA 1000-0201
- LIEBHERR TLV 035/TLV 23009 A
- MAN 324 TYPE NF PRITARDER
- CAT / MWM TR 0199-99-2091
- OPEL/GM B 040 0240
- PN-C 40007:2000
- VOITH TURBO 172.00225010
- VW TL 774-C (G11)

| Pack Sizes   | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|
| Material No. | 602286697 | 602286710 | 602286703 |
| Part No.     | 4312020   | 4312205   | 43121000  |

# FUCHS ENGINE COOLANT RECOMMENDATIONS

| OEM                    | FRICOFIN<br>MP/MP 50<br>Replaces MAINTAIN<br>FRICOFIN HDD/HDD 50 | FRICOFIN<br>CV/CV 50<br>Replaces MAINTAIN<br>FRICOFIN LL/LL 50 | FRICOFIN<br>DP/DP 50 | FRICOFIN<br>EVO 50 | FRICOFIN<br>50   |
|------------------------|--|--|----------------------|--------------------|------------------|
| Alfa Romeo             | SUITABLE FOR USE   | SUITABLE FOR USE   |                      |                    | RECOMMENDED      |
| Audi                   | SUITABLE FOR USE   |  | APPROVED             | APPROVED           | APPROVED         |
| BMW                    | SUITABLE FOR USE   |  |                      | RECOMMENDED        | RECOMMENDED      |
| Case                   | SUITABLE FOR USE   | RECOMMENDED  | SUITABLE FOR USE     |                    | SUITABLE FOR USE |
| Caterpillar            |  | RECOMMENDED  | SUITABLE FOR USE     |                    |                  |
| Chery                  | SUITABLE FOR USE   | SUITABLE FOR USE   |                      |                    |                  |
| Chrysler               | SUITABLE FOR USE   | RECOMMENDED  |                      | SUITABLE FOR USE   | SUITABLE FOR USE |
| Citroen                |  | SUITABLE FOR USE   |                      |                    | SUITABLE FOR USE |
| Cummins                |  | RECOMMENDED  | APPROVED             |                    |                  |
| Cupra                  |  |  |                      | APPROVED           |                  |
| DAF                    |  | SUITABLE FOR USE   |                      |                    |                  |
| Daimler Truck and Bus  | SUITABLE FOR USE   | RECOMMENDED  | APPROVED             | RECOMMENDED        | APPROVED         |
| Detroit Diesel         | SUITABLE FOR USE   | RECOMMENDED  | APPROVED             |                    |                  |
| Deutz                  | SUITABLE FOR USE   | RECOMMENDED  | APPROVED             |                    | APPROVED         |
| Fendt                  | SUITABLE FOR USE   | RECOMMENDED  | RECOMMENDED          |                    | RECOMMENDED      |
| Fiat                   |  | SUITABLE FOR USE   | RECOMMENDED          |                    | SUITABLE FOR USE |
| Ford                   | SUITABLE FOR USE   | RECOMMENDED  |                      | RECOMMENDED        | RECOMMENDED      |
| Fuso                   | SUITABLE FOR USE   | RECOMMENDED  | RECOMMENDED          | RECOMMENDED        |                  |
| Haval                  | SUITABLE FOR USE   | SUITABLE FOR USE   |                      |                    |                  |
| Hino                   |  | RECOMMENDED  | RECOMMENDED          | SUITABLE FOR USE   |                  |
| Hitachi                | SUITABLE FOR USE   | RECOMMENDED  | RECOMMENDED          |                    |                  |
| Holden                 | SUITABLE FOR USE   | RECOMMENDED  |                      |                    | SUITABLE FOR USE |
| Honda                  |  | RECOMMENDED  | RECOMMENDED          | SUITABLE FOR USE   |                  |
| Hyundai                | SUITABLE FOR USE   | RECOMMENDED  |                      | SUITABLE FOR USE   |                  |
| Innio-Jenbacher        |  | SUITABLE FOR USE   |                      | RECOMMENDED        | APPROVED         |
| Isuzu Truck            |  | RECOMMENDED  | RECOMMENDED          | SUITABLE FOR USE   |                  |
| Isuzu Ute              |  | SUITABLE FOR USE   | RECOMMENDED          | SUITABLE FOR USE   |                  |
| Iveco                  |  | RECOMMENDED  | RECOMMENDED          |                    |                  |
| Jaguar                 | SUITABLE FOR USE   | SUITABLE FOR USE   |                      |                    | RECOMMENDED      |
| John Deere             |  | RECOMMENDED  | RECOMMENDED          | RECOMMENDED        |                  |
| Kia                    | SUITABLE FOR USE   | SUITABLE FOR USE   |                      | SUITABLE FOR USE   |                  |
| Kobelco                | SUITABLE FOR USE   | RECOMMENDED  |                      |                    |                  |
| Komatsu                | SUITABLE FOR USE   | RECOMMENDED  |                      |                    |                  |
| Land Rover/Range Rover | SUITABLE FOR USE   | SUITABLE FOR USE   |                      |                    | RECOMMENDED      |
| Lexus                  |  | RECOMMENDED  | SUITABLE FOR USE     | SUITABLE FOR USE   |                  |
| Liebherr               |  | SUITABLE FOR USE   | RECOMMENDED          |                    | RECOMMENDED      |
| Mack                   |  | RECOMMENDED  |                      |                    |                  |
| MAN                    |  | RECOMMENDED  | APPROVED             |                    | APPROVED         |
| MAN Energy Solutions   | SUITABLE FOR USE   | SUITABLE FOR USE   |                      | RECOMMENDED        |                  |
| Massey Ferguson        | SUITABLE FOR USE   | RECOMMENDED  | SUITABLE FOR USE     |                    |                  |
| Mazda                  | RECOMMENDED  | RECOMMENDED  |                      |                    | SUITABLE FOR USE |
| Mercedes-Benz          | SUITABLE FOR USE   | SUITABLE FOR USE   | APPROVED             |                    | APPROVED         |
| MG                     | SUITABLE FOR USE   | SUITABLE FOR USE   |                      |                    |                  |
| Mitsubishi             | RECOMMENDED  |  |                      |                    | RECOMMENDED      |
| MTU                    |  | RECOMMENDED  | APPROVED             | SUITABLE FOR USE   |                  |
| New Holland            | SUITABLE FOR USE   | RECOMMENDED  |                      | SUITABLE FOR USE   | SUITABLE FOR USE |
| Nissan                 | SUITABLE FOR USE   | SUITABLE FOR USE   |                      |                    | SUITABLE FOR USE |
| Peugeot                | SUITABLE FOR USE   | SUITABLE FOR USE   |                      |                    |                  |
| Porsche                |  | SUITABLE FOR USE   | APPROVED             | APPROVED           | RECOMMENDED      |
| Renault                | SUITABLE FOR USE   | SUITABLE FOR USE   |                      |                    |                  |
| Scania                 |  | SUITABLE FOR USE   | RECOMMENDED          | SUITABLE FOR USE   |                  |
| SEAT                   |  | SUITABLE FOR USE   |                      | APPROVED           |                  |
| Siemens Wind Power     |  | RECOMMENDED  |                      |                    |                  |
| Subaru                 | SUITABLE FOR USE   |  |                      | SUITABLE FOR USE   | RECOMMENDED      |
| Tesla (battery)        |  |  |                      |                    | RECOMMENDED      |
| Toyota                 |  | RECOMMENDED  | SUITABLE FOR USE     | SUITABLE FOR USE   |                  |
| UD Nissan              |  | SUITABLE FOR USE   | RECOMMENDED          |                    |                  |
| Vesta Wind Systems     |  | RECOMMENDED  |                      |                    |                  |
| Volkswagen             | SUITABLE FOR USE   | SUITABLE FOR USE   | APPROVED             | APPROVED           | APPROVED         |
| Volvo Car              | SUITABLE FOR USE   | SUITABLE FOR USE   |                      | RECOMMENDED        | SUITABLE FOR USE |
| Volvo Truck            |  | RECOMMENDED  |                      |                    |                  |
| Yanmar                 | SUITABLE FOR USE   | RECOMMENDED  | SUITABLE FOR USE     | SUITABLE FOR USE   | SUITABLE FOR USE |

Please Note – whilst colour is important, always refer to OEM specifications when selecting the correct coolant for the job, as different products are approved against different specifications.

# GREASES

FUCHS' comprehensive workshop grease range is specifically engineered for mechanical workshops, using advanced formulations designed in Australia for Australian conditions.



## RENOLIT HI TEMP 220

RENOLIT HI-TEMP is a fully synthetic special lubricating grease with lithium complex soap.

RENOLIT HI-TEMP 220 is a fully synthetic special lubricating grease with lithium complex soap. RENOLIT HI-TEMP 220 has a low friction coefficient to reduce starting and running torque, and to improve its efficiency. It has excellent anticorrosion properties even under adverse environmental factors (moist, aggressive atmosphere and water). RENOLIT HI-TEMP 220 is very ageing resistant, resists high thermal loads, is work stable and water resistant.

| Pack Sizes   | 450g      | 20kg      | 170kg     |
|--------------|-----------|-----------|-----------|
| Material No. | 602286840 | 602286826 | 602297815 |
| Part No.     | 4330450   | 4330020   | 4330170   |

## RENOLIT XTB 2

Long life multipurpose grease that is specially designed for extreme bearing applications.

RENOLIT XTB 2 is suitable for a variety of automotive applications, including wheel bearing and general chassis lubrication. Blue coloured lithium complex grease which has been formulated to provide improved oxidation, wear protection and corrosion resistance compared to conventional greases.

| Pack Sizes   | 450g      | 500g      | 2.5kg     | 20kg      | 55kg      | 180kg     |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602285461 | 602285478 | 602285386 | 602285409 | 602285416 | 602285430 |
| Part No.     | 4095450   | 4095500   | 40950025  | 4095020   | 4095055   | 4095180   |

## RENOLIT EP 2 AU

RENOLIT EP 2 AU is a general purpose lithium soap based grease.

RENOLIT EP 2 AU is recommended for the lubrication of automotive chassis points. RENOLIT EP 2 AU is a multipurpose lithium 12 hydroxy-stearate grease, containing extreme pressure, anti-corrosion and anti-oxidation additives to maximise performance under low to medium temperature applications. RENOLIT EP 2 AU has good EP properties and protects against corrosion. It has resistance to mechanical shear and suitable as a multipurpose grease for applications in shock load lubrication.

| Pack Sizes   | 450g      | 500g      | 2.5kg     | 20kg      | 55kg      | 180kg     |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602282095 | 602282033 | 602282040 | 602282057 | 602282064 | 602282071 |
| Part No.     | 1957450   | 1957500   | 19570025  | 1957020   | 1957055   | 1957180   |

## GREASES

### RENOLIT DL

RENOLIT DL is a multipurpose grease for auto body hardware.

RENOLIT DL is a multipurpose lubrication grease on a anhydrous calcium soap base with corrosion and oxidation inhibitors. RENOLIT DL withstands temperatures from -50°C to 100°C, and even higher temperatures for short periods. This product is also compatible with paint. RENOLIT DL is especially recommended in motor vehicle assemblies such as doors and other Locks, hinges and joints, sliding roofs, boot and bonnet mechanisms, seat mechanisms, Bowden cables, window lifters and adjustment mechanisms.

| Pack Sizes   | 500g      |
|--------------|-----------|
| Material No. | 602287397 |
| Part No.     | 4433500   |

### RENOLIT RED RUBBER GREASE

RENOLIT RED RUBBER GREASE is a specialty "Rubber Grease" and "Petrol Resistant Grease".

RENOLIT RED RUBBER GREASE is a specialty lubricant manufactured from prime vegetable oils thickened with a non-soap thickener. A red dye has been added for identification purposes. RENOLIT RED RUBBER GREASE retains its consistency even at high temperatures and has no drop point in the normal sense of the test. It does not change materially under working conditions or temperature fluctuations and as such resists leakage and dripping. This grease conforms to major international component manufacturers' specifications for "Rubber Grease" and "Petrol Resistant Grease". RENOLIT RED RUBBER GREASE is designed to be resistant to most seals used in automotive break assemblies.

| Pack Sizes   | 500g      | 180kg     |
|--------------|-----------|-----------|
| Material No. | 602283771 | 602297907 |
| Part No.     | 2883500   | 2883180   |

### RENOLIT LXMO 2

RENOLIT LXMO 2 is recommended for the lubrication of all assemblies, controls and drives on vehicles such as CV joints and chassis lubrication points with high loads such as truck turntables. RENOLIT LXMO 2 is a highly effective EP grease with good anti-wear properties for the industrial and automotive industries.

| Pack Sizes   | 450g      | 2.5kg     | 55kg      | 20kg      | 180kg     |
|--------------|-----------|-----------|-----------|-----------|-----------|
| Material No. | 602282163 | 602282118 | 602232953 | 602282125 | 602282149 |
| Part No.     | 1958450   | 19580025  | 1958055   | 1958020   | 1958180   |

### RENOLIT POLIPLEX 2

RENOLIT POLIPLEX 2 is a lithium complex thickened grease which features advanced lubricating technology, including being manufactured with state-of-the-art polymers. In addition, it has been formulated for conditions of extreme pressure and temperature whilst being ideal for general purpose applications.

| Pack Sizes   | 450g      | 55kg      | 20kg      | 180kg     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 602281340 | 602230355 | 602281326 | 601363184 |
| Part No.     | 1812450   | 1812055   | 1812020   | 1812180   |

# CLEANERS

FUCHS' range of industrial-grade cleaners is engineered for the efficient removal of oil, grease, and particulate contaminants, offering optimal performance across a wide variety of workshop and mechanical maintenance environments.



## WATER BASED

### RENOCLEAN ECOSOLVE

RENOCLEAN ECOSOLVE is highly effective for removing most soils including dirt, mud, grime, oil and soot.

RENOCLEAN ECOSOLVE is a biodegradable, solvent-based, heavy-duty wash with "quick-break" properties. RENOCLEAN ECOSOLVE is formulated to effectively clean heavy mining and industrial equipment such as dump trucks, cranes, prime movers, trailers, dozers and excavators.

| Pack Sizes   | 20L       | 200L      | 1000L     |
|--------------|-----------|-----------|-----------|
| Material No. | 800466693 | 800466709 | 800469076 |
| Part No.     | 3919020   | 3919200   | 39191000  |

### RENOCLEAN HEAVY WASH

RENOCLEAN HEAVY WASH is a non-caustic, biodegradable, streak-free, heavy-duty truck wash.

RENOCLEAN HEAVY WASH is a concentrated, water-based, high performance and non-caustic truck wash. This product effectively removes road grime and dirt from all surfaces including plastic, rubber, chrome, aluminium and paintwork.

| Pack Sizes   | 5L        | 20L       | 205L      | 1000L     |
|--------------|-----------|-----------|-----------|-----------|
| Material No. | 800467065 | 800467072 | 800467096 | 800467089 |
| Part No.     | 4520005   | 4520020   | 4520205   | 45201000  |

## SOLVENT BASED

### RENOCLEAN DEGREASER 9110

RENOCLEAN DEGREASER 9110 is a solvent-based degreasing solution developed to dissolve oil and grease residues.

RENOCLEAN DEGREASER 9110 is suitable for heavy-duty degreasing operations where a versatile solvent based cleaner is required. It does not affect any common metals and is easily removed by rinsing with cold water.

| Pack Sizes   | 300g      | 20L       | 205L      |
|--------------|-----------|-----------|-----------|
| Material No. | 602282507 | 602282477 | 602282491 |
| Part No.     | 2125300   | 2125020   | 2125205   |

# CLEANERS

## SOLVENT BASED

### RENOCLEAN BRAKE CLEANER

RENOCLEAN BRAKE CLEANER is an automotive brake and parts cleaner.

RENOCLEAN BRAKE CLEANER is formulated to quickly and safely remove brake fluid, grease, oil and contaminant from brake pads, linings, drums, callipers and other automotive parts.

| Pack Sizes   | 20L       |
|--------------|-----------|
| Material No. | 602288707 |
| Part No.     | 4636020   |

## MISCELLANENOUS

### RENOCLEAN ORANGE

RENOCLEAN ORANGE is a quality hand cleaner that has been developed for the effective cleaning of heavily soiled, oily and grease covered hands.

Updated specifically for the Australasian market, RENOCLEAN ORANGE leaves hands feeling smooth and clean without the greasy feeling that many other cleaners leave behind.

| Pack Sizes   | 5L        | 20L       |
|--------------|-----------|-----------|
| Material No. | 800467300 | 800467317 |
| Part No.     | 4889005   | 4889020   |

### RENOCLEAN NUSORB

RENOCLEAN NUSORB offers an environmentally and toxicologically safe method for treatment of workplace spills.

RENOCLEAN NUSORB rapidly absorbs up to its own weight in split liquid (depending on the liquid to be absorbed) and provides a simple method for collection and disposal.

| Pack Sizes   | 10L       | 14L       |
|--------------|-----------|-----------|
| Material No. | 602314611 | 602314628 |
| Part No.     | 1709010   | 1709020   |

# COMPRESSOR OILS

RENAIR Compressor Oils are blended from carefully selected solvent refined mineral oils, which provide optimum oxidation inhibition, excellent corrosion prevention and minimal coking tendency.

## RENAIR

RENAIR oils are compressor oils blended from solvent refined mineral oils and containing additives to reduce wear and oxidation.

RENAIR oils are recommended for oil lubricated air compressors including Rotary Screw, Reciprocating and certain types of Rotary Vane Compressors.

| RENAIR 150   | 20L       | 205L      |           |
|--------------|-----------|-----------|-----------|
| Material No. | 602281470 | 602281487 |           |
| Part No.     | 1908020   | 1908205   |           |
| RENAIR 100   | 20L       | 205L      | 1000L     |
| Material No. | 602281456 | 602281463 | 602231864 |
| Part No.     | 1907020   | 1907205   | 19071000  |
| RENAIR 68    | 20L       | 205L      | 1000L     |
| Material No. | 602281531 | 602281562 | 602281555 |
| Part No.     | 1911020   | 1911205   | 19111000  |
| RENAIR 46    | 20L       | 205L      | 1000L     |
| Material No. | 602281494 | 602281524 | 602281517 |
| Part No.     | 1910020   | 1910205   | 19101000  |

## RENOLIN UNISYN OL SERIES

Fully-synthetic cooling oils for screw, vane and piston compressors based on polyalphaolefins with excellent oxidation stability, good wear protection, outstanding demulsification and excellent viscosity-temperature behaviour. High viscosity index. Excellent air release. Allow service intervals to be extended.

RENOLIN UNISYN OL 32, 46 and 68 have especially been developed for the use in oil injected screw compressors and in turbo compressors. RENOLIN UNISYN OL 150 is recommended in particular for long-term use in piston and rotary compressors that must meet the strict requirements for low residue formation according to DIN 51506 VDL.

RENOLIN UNISYN OL fluids can also be used as hydraulic fluids according to DIN 51524 H(V)LP. Excellent results in the Vickers Vane Pump Test with RENOLIN UNISYN OL 46. Extreme wear protection guarantees a long lifetime of the components.

| RENOLIN UNISYN OL 32  | 20L       | 205L      |           |
|-----------------------|-----------|-----------|-----------|
| Material No.          | 602283146 | 602240767 |           |
| Part No.              | 2426020   | 2426205   |           |
| RENOLIN UNISYN OL 46  | 20L       | 205L      | 1000L     |
| Material No.          | 602297662 | 602297679 | 602297655 |
| Part No.              | 4916020   | 4916205   | 49161000  |
| RENOLIN UNISYN OL 68  | 20L       | 205L      | 1000L     |
| Material No.          | 602297686 | 602297693 | 602297709 |
| Part No.              | 4677020   | 4677205   | 46771000  |
| RENOLIN UNISYN OL 150 | 20L       |           |           |
| Material No.          | 602297648 |           |           |
| Part No.              | 4714020   |           |           |

# AEROSOL PRODUCTS

FUCHS Aerosol Products are formulated using high-performance ingredients to deliver exceptional cleaning, protection, and reliability for a variety of industrial and automotive applications.

## ANTICORIT DFO

Multipurpose moisture displacer and corrosion inhibitor suitable for short to medium term corrosion protection.

Anticorit DFO contains a unique combination of proprietary components, which rapidly penetrate and displace moisture from metal surfaces to provide a strongly adhered corrosion resistant film. The combination of selective wetting agents and film forming inhibitors are ideal for applications, which have been machined with water miscible fluids, electroplated or phosphated. Typical applications include surface protection of small mass produced components such as turntables of automatic machines, razor blades and precision measuring equipment. This product complies with the requirements of MDG 3006 MRT 2 (April 1995) section 4 for use in underground mining applications.

|              |           |
|--------------|-----------|
| Pack Sizes   | 300ml     |
| Material No. | 602294715 |
| Part No.     | 1111300   |

## SILKOLENE BRAKE & CHAIN CLEANER

Silkolene Brake & Chain Cleaner is a Semi-Synthetic Chain Oil for all motorcycle chains. Suitable for Road & Off Road use. Effectively penetrates the inner rollers and pins and resists high speed fling-off. Outstanding anti-wear / anti-corrosion properties provide increased chain and sprocket life. For all chains including "O" and "X" ring types. Directions for Use: Apply sparingly to the inside of a clean warm chain. For best results leave overnight before use. FUCHS strongly recommend the use of FUCHS Silkolene Brake & Chain Cleaner prior to use.

|              |           |
|--------------|-----------|
| Pack Sizes   | 500ml     |
| Material No. | 602576514 |

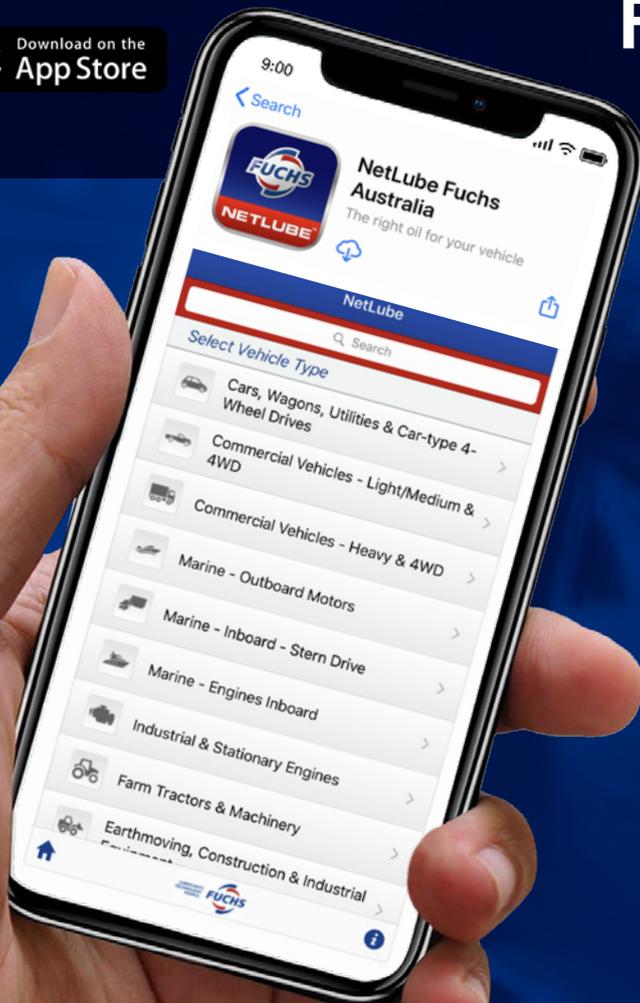
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