Lubricants
Gearboxes and transmissions
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INTRODUCTION

When you choose Repsol lubricants, you get so much more. Along with a product of the highest quality, you also get the Repsol guarantee. An integrated global energy company, which operates in more than 90 countries in the areas of mining, production, refinery, distribution and marketing. And which provides millions of people and businesses all over the world with more efficient, responsible, and innovative energy solutions.

You also get the most innovative products. Because at Repsol we have our research center Repsol Technology Lab, at the forefront of R&D&I worldwide. Here, our technicians and researchers are constantly striving to improve every product we offer to ensure maximum efficiency, as well as enhanced technical and environmental quality.

In line with our philosophy of innovating and improving every day in order to offer the best products and services, we are pleased to present our latest catalogue of Lubricants for gearboxes, transmissions and construction machinery.

In a sector such as the automobile industry, where new technological advances are being introduced every day, Repsol carries out constant research in order to offer a wide range of lubricants which are adapted to the specific needs of each of our customers.

As well as complying with the most stringent quality standards, the exclusive formulation of our lubricants provides perfect lubrication and maximum care in demanding lubrication systems such as transmissions subjected to heavy loads and commercial and construction machinery, protecting mechanical parts from wear, providing maximum efficiency and duration.

All of this makes the range of Repsol Lubricants the best possible investment.
1. MANUAL TRANSMISSIONS

REPSOL CARTAGO MB 75W90

**QUALITY LEVEL**
- API GL-4
- MAN 341 TYPE MB
- MB-Approval 235.11

Synthetic fluid certified by Mercedes-Benz [MB 235.11] for use in manual and automatic transmissions of its more modern vehicles (Actros, etc.). This 100% synthetic oil helps lower fuel consumption and allows for extended oil change intervals. Because it reduces mechanical loss, it also helps reduce temperatures - even in gearboxes without oil coolers working in harsh conditions, protecting and increasing the lifespan of gearbox parts.

REPSOL CARTAGO LD 40

**QUALITY LEVEL**
- EATON PS-386 approved
- API MT-1
- Mack TG-A Plus
- Meritor Q-81
- Navistar MPAPS B-6816 Type II

This synthetic fluid is designed to lower fuel consumption, extend oil change intervals, and handle severe conditions in manual, hybrid, and automatic transmissions of heavy vehicles. Cartago LD 40 is certified by EATON as PS-386 for use in new gearboxes such as Fuller Advantage, Ultrashift, Ultrashift PLUS, Freightliner M2, Cascadia, New Cascadia, Coronado, Kenworth [T, W, and off highway series], Thomas Built Buses, and models with up to 18 gears (FO, FM, FS, RT, FR series) as well as hybrid vehicles [EH and EHV series]. This new lubricant is approved for use in older EATON models requiring PS-164 Rev. 7 fluid.

REPSOL CARTAGO CAJAS FE LD 75W-80

**QUALITY LEVEL**
- API GL-4
- ZF TE-ML 01L/02L/08/16K
- VOLVO 97305
- MAN 341 Z-4/341 E-3
- DAF Transmissions
- IVECO Transmissions
- RENAULT B0032/2 Annex 3

Synthetic lubricant especially designed to meet the lubrication requirements of leading vehicle manufacturers for manual gearboxes which require extended oil change intervals. It contributes to fuel savings and allows for smooth shifting, even at low temperatures.
REPSOL CARTAGO FE LD 75W-90

Synthetic lubricant designed to lubricate differentials and certain gearboxes and transmissions in vehicles, making it possible to unify both systems using a single oil. It provides unbeatable performance in the drive axles and rear axles of heavy duty vehicles thanks to its ability to withstand heavy loads and its exceptional fluidity at low temperatures. It contributes to fuel savings and allows drain intervals to be increased.

REPSOL CARTAGO GL-4+ 75W-80

Synthetic lubricant for manual gearboxes and transaxle differentials of cars which require an API GL-4+ quality level and work in a wide range of temperatures. This oil has been especially designed to meet the lubrication requirements established by leading vehicle manufacturers (Peugeot, Citroën, Renault, General Motors, etc.) for their manual gearboxes and differentials.

REPSOL TRANSMISSIONS GL-4 75W-80

Synthetic lubricant for manual gearboxes of commercial vehicles and cars in which an API GL-4 quality level is required. This oil has been especially designed to meet the lubrication requirements established by leading vehicle manufacturers for their manual gearboxes.
**REPSOL CARTAGO EPM 80W**

Monograde lubricant oil for manual gearboxes in which an API GL-4 quality level is required.

**QUALITY LEVEL**
- API GL-4
- MB 235.1
- ZF TE-ML 08/17A
- DAF Transmissions
- IVECO Transmissions
- RENAULT Transmissions
- VW 726

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**REPSOL CARTAGO EPM 90**

Monograde lubricant oil for manual gearboxes in which an API GL-4 quality level is required.

**QUALITY LEVEL**
- API GL-4
- MB 235.1
- ZF TE-ML 16A/17A/19A
- DAF Transmissions
- IVECO Transmissions
- RENAULT Transmissions
- VW 726

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**REPSOL CARTAGO EPM 140**

Monograde lubricant oil for manual gearboxes in which an API GL-4 quality level is required.

**QUALITY LEVEL**
- API GL-4
Multi-grade lubricant oil for the lubrication of manual gearboxes and transmission mechanisms in which an API GL-4 quality level is required. The oil viscosity allows it to be used at a wide range of vehicle start-up temperatures.

2. AUTOMATIC TRANSMISSIONS

2.1. PASSENGER CAR TRANSMISSIONS

REPSOL MATIC VI ATF

REPSOL MATIC VI ATF is a low-viscosity synthetic lubricant approved by General Motors for use in all its automatic transmissions. It complies with the DEXRON III, DEXRON II and TASA specifications. It is recommended for passenger cars and certain heavy duty vehicles.
Synthetic lubricant for DCT (dual-clutch gearbox) or DSG automatic transmissions, which provides users with faster, smoother gear shifting and helps to reduce fuel consumption. This oil has been designed for use in the transmissions of leading passenger car manufacturers such as Volkswagen, Ford, Mercedes-Benz, etc.

Long-lasting synthetic lubricant for latest-generation continuously variable transmissions (CVTs), either belt or chain driven. It is primarily recommended for Asian vehicles.

Synthetic-technology lubricant oil for automatic transmissions and power-assisted steering, especially designed to meet the needs of most Asian car manufacturers (Mitsubishi, Suzuki, Toyota, Nissan, Honda and Subaru, among others). It can also be used in continuously variable transmissions (CVTs) in which the manufacturer allows the use of an automatic transmission fluid (ATF).
2.2. HEAVY DUTY VEHICLE TRANSMISSIONS

REPSOL MÁTIC SÍNTÉTICO ATF

Synthetic fluid for automatic transmissions in industrial vehicles and buses requiring long drain intervals or severe driving conditions. Certified for use by major transmission manufacturers. Approved for use in ZF EcoLife, ZF Ecomat, and Voith Diwa transmissions.

REPSOL MÁTIC III ATF

Long-lasting synthetic lubricant for automatic transmissions which can be used in passenger cars, commercial vehicles and construction machinery machinery. It is recommended for transmissions and power steering that require a fluid which complies with the DEXRON III specification. REPSOL MÁTIC III has also been especially designed to meet the most stringent requirements of automatic gearboxes in heavy duty vehicles which require the Allison TES-295 specification. It meets the requirements of Voith and other manufacturers.

REPSOL MÁTIC ATF

Special oil for automatic transmissions (ATF) which meets the demands of manufacturers requiring the DEXRON II D quality level. It is especially recommended for automatic transmissions and power steering in vehicles, and may also be used in torque converters, hydraulic systems and other applications in which an ATF DEXRON II fluid is required.
Synthetic lubricant designed for differentials and some vehicle's gearboxes and transmissions: a single oil that can be used in both systems. It provides unbeatable performance in rear drive axles of heavy vehicles thanks to its ability to support heavy loads and its exceptional fluidity at low temperatures. It contributes to lower fuel consumption and allows for extended oil change intervals.
Repsol Cartago LD 80W-90

Long-lasting oil for differentials and certain manual gearboxes that require a GL-5 quality level. It is particularly recommended for differentials in commercial and off-road vehicles working under harsh conditions that require a high-performance lubricant. It complies with current manufacturers’ specifications that require oils with long drain intervals which can double or even triple the time between oil changes in comparison with conventional mineral oils.

Repsol Cartago LD 85W-140

Long-lasting oil for differentials and certain manual gearboxes that require a GL-5 quality level. It is particularly recommended for differentials in commercial and off-road vehicles working under harsh conditions that require a high-performance lubricant. It complies with current manufacturers’ specifications that require oils with long drain intervals which can double or even triple the time between oil changes in comparison with conventional mineral oils.

Repsol Cartago Multigrado EP 80W-90

Multi grade extreme pressure lubricant oil, used in automotive differentials or transmissions groups and in manual gearboxes in which API GL-5 oil is required. It is especially recommended for hypoid differentials due to its high load capacity. This oil was specially designed to comply with the lubrication requirements established by leading manufacturers.
REPSOL CARTAGO MULTIGRADO EP 85W-140

Multi-grade extreme pressure lubricant oil specially developed for use in differentials or transmission units and manual gearboxes in which API GL-5 oil is required. Its high load capacity means that it is particularly recommended for hypoid differentials.

QUALITY LEVEL
- API GL-5
- ZF TE-ML 07A/08/16C/16D/21A
- VOLVO 97310
- DAF API GL-5
- MIL L-2105 D

REPSOL TRANSMISSIONS GL-5 80W-90

Multi-grade extreme pressure lubricant oil specially developed for use in differentials or hypoid and helical transmission units in which API GL-5 quality is required.

QUALITY LEVEL
- API GL-5

REPSOL CARTAGO EP 90

Monograde lubricant oil with extreme pressure additives, recommended for use in differentials and rear drive axles of vehicles or hypoid transmission units. It can also be used in gearboxes and other gears, especially in industrial vehicles working under very harsh service conditions, at low speeds and high loads.

QUALITY LEVEL
- API GL-5
- MB 235.0
- ZF TE-ML 07A/08/16B/16C/17B/19B/21A
- VOLVO 97310
- MAN 342 M1
- VW 727
GEARBOXES AND TRANSMISSIONS

[Image of a truck and Repsol oil containers]
3.1. LOCKING DIFFERENTIALS

REPSOL CARTAGO TRACCIÓN INTEGRAL EP 75W-90

Synthetic multi-grade lubricant oil recommended for locking transmission systems or limited slip differential (LSD) units commonly used in construction machinery and all-terrain vehicles with several drive axles.

QUALITY LEVEL
- API GL-5

REPSOL CARTAGO AUTOBLOCANTE EP 80W-90

Multi-grade lubricant oil for locking differentials in commercial vehicles, construction machinery vehicles and, in general, four-wheel drive vehicles in which fluids with limited slip differential (LSD) characteristics are required. It can also be used in non-locking differentials in which an extreme pressure, API GL-5 quality level lubricant is required.

QUALITY LEVEL
- API GL-5
- ZF TE-ML 05C/07A/08/10C/12C/21C

REPSOL ORION UTTO

Universal tractor transmission oil (UTTO). Its carefully designed formula makes it suitable for use in gearboxes, differential conical gears, power take-offs, hydraulic systems, wet brakes (sintered or compound), and clutches.

QUALITY LEVEL
- FORD M2C 134/D/CNH MAT 3525
- ALLISON C-4
- JOHN DEERE J-20C
- CATERPILLAR TD-2
- KUBOTA UDT
- VOLVO WB 101
- API GL-4/SAE 80 W
- PARKER DENISON UTTO/THF
- MASSEY FERGUSON M-1145/M-1143

REPSOL TERRA UTTO 75W-80

Universal tractor transmission oil suitable for lubricating tractor transmissions, clutches, and wet brakes. Its viscosity and additives make it suitable for use in hydraulic systems and power take-offs, where a multi-grade fluid with dispersing properties is required. It can be used in gearboxes and differentials where GL-4 performance levels are required.

QUALITY LEVEL
- UTTO, Universal Tractor Transmission Oil
- API GL-4
- SAE 75W-80
Monograde lubricant oil produced using highly refined mineral base oils. It may be used in manual transmissions and other gear mechanisms which, due to their design and load, operate under low or moderately demanding working conditions.

### REPSOL TRANSMISSIONS 140

Monograde lubricant oil produced using highly refined mineral base oils. It may be used in manual transmissions and other gear mechanisms which, due to their design and load, operate under low or moderately demanding working conditions.

### REPSOL TRANSMISSIONS 250

Monograde lubricant oil produced using highly refined mineral base oils. It may be used in manual transmissions and other gear mechanisms which, due to their design and load, operate under low or moderately demanding working conditions.
REPSOL TRANSMISSIONS TO-4 10W

Oil especially recommended for axles and final drives in CATERPILLAR machinery that requires the use of an oil without friction modifiers which complies with the CAT FD-1 specification (final drive and axle oil - FDAO). This oil significantly improves the performance and useful life of machinery in comparison with those which comply with the CAT TO-4 standard.

REPSOL TRANSMISSIONS FD-1 60

Lubricant oil for construction machinery, especially formulated to meet the requirements of the CATERPILLAR, ALLISON and KOMATSU specifications, used in automatic transmissions, clutches and brakes, as well as in final drives, hydraulic systems, crown gears and differentials (according to SAE grade).
REPSOL TRANSMISSIONS TO-4 30

Lubricant oil for construction machinery, especially formulated to meet the requirements of the CATERPILLAR, ALLISON and KOMATSU specifications, used in automatic transmissions, clutches and brakes, as well as in final drives, hydraulic systems, crown gears and differentials (according to SAE grade).

QUALITY LEVEL
- CAT TO-4
- ALLISON C-4
- KOMATSU KES 07.868.1

REPSOL TRANSMISSIONS TO-4 50

Lubricant oil for construction machinery, especially formulated to meet the requirements of the CATERPILLAR, ALLISON and KOMATSU specifications, used in automatic transmissions, clutches and brakes, as well as in final drives, hydraulic systems, crown gears and differentials (according to SAE grade).

QUALITY LEVEL
- CAT TO-4
- KOMATSU KES 07.868.1
### 6. QUALITY SPECIFICATIONS

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*See all manufacturers’ certifications in the product specifications

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# Transmissions for Construction Machinery

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22 / GEARBOXES AND TRANSMISSIONS
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7. REPSOL LUBRICANT SEARCHER

Access the Repsol Lubricant Searcher and find the perfect lubricant for your vehicle.

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Take a look:
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- Or by visiting our website:
  https://www.repsol.com/es/productos-y-servicios/lubricantes/buscar
### 8. PACKS

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9. COMMERCIAL OFFICES

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