

# LUBRICANTS FOR DIESEL ENGINES



**ACTION SERIES DIESEL ENGINE OILS**

## INTRODUCTION

When you choose Repsol Lubricants, you get more than what you pay for. In addition to a product of the highest quality, you also get the Repsol guarantee: an integrated global energy company which carries out exploration, production, refining, distribution and marketing activities in more than 90 countries. It provides millions of people and companies all across the world with the most efficient, responsible and innovative energy solutions.

You also choose maximum innovation because Repsol has a Technology Centre at the global forefront of R&D&I, where our technicians and researchers are continuously improving each product to ensure maximum efficiency and the highest level of technical and environmental quality.

In line with our philosophy of constant innovation and improvement, we have expanded our product range and are pleased to present our latest catalogue of Lubricants for Diesel engines.

## MAXIMUM QUALITY

Repsol Lubricants exceed quality standards and industry norms; our products having been tested in competitions to guarantee maximum efficiency.

Our lubricants improve the durability of engines and exhaust gas aftertreatment systems, complying with sector regulations. Apart from offering superior protection for the most demanding engines, the lubricant also guarantee fuel economy and reduce CO2 emissions in the most advanced engines.

At Repsol, we evaluate and select the most appropriate base oils, that coupled with the use of the highest-quality additives, offers you products with specific formulations for each manufacturer that give you extra confidence in your engine.

Our expanded product range caters to every need, offering drivers lubricants which have been approved and recognized by all engine manufacturers.

## NEW ACTION SERIES

We are pleased to introduce a new product range, specially formulated to offer maximum value, with formulas adapted to suit the needs of diesel engines particularly in South-East Asia region. New, streamlined, range architecture, with matching label design and bottle color, for an easier lubricant selection.





## NEW FORMULA

All Action series engine oils are designed with:



By formulating our products using carefully selected chemicals and **hydrotreated** base oils, we optimize the lubricant's performance in 3 key areas:

**Wear protection:** XR Tech is a reinforced anti wear chemistry, designed to reduce the wear in all the critical areas in the engine. A protective oil film is generated between metal parts to prevent rubbing, thus improving performance and reducing the metallic wear under different engine operating conditions. Up to 30% less wear in cylinder liner found in Mack T-10 bench test.

**Engine Cleanliness:** XR Tech uses dispersant additives that keep soot particles in suspension and control sludge build-up, thus preventing blockage in engine parts with tighter tolerances. This way, it manages to enhance the performance of the oil during the drain interval, effectively extending the lubricant's life so it can protect the engine better and for a longer time.

**Oil durability:** XR Tech makes use of highly refined base oils combined with carefully selected additives, which results in lubricants with improved oxidation control. An engine oil more resistant to oxidation maintains its properties for a longer time, and thus is able to ensure optimum protection during the whole drain interval.



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In a sector where new technological advances are being introduced every day, Repsol undertakes constant research to provide a wide range of lubricants that meet the specific needs of each of our customers.

In addition to complying with the most stringent quality standards and regulations, our lubricants' exclusive formula offers perfect lubrication and maximum care for engines, enabling the maximum performance and durability of these systems.

## REPSOL DXR ECO 10W-30 & 15W-40



Repsol DXR ECO is a top tier performance diesel engine oil that helps extend engine life and provides long drain capability for modern diesel engines operating in extreme conditions. It is recommended for naturally aspirated and turbo-charged, diesel-powered engines. This product can be used in a wide range of heavy-duty applications and operating environments found on-and off-highway, including engines operating under heavy loads. DXR ECO meets and exceeds the requirements of API CK-4, CJ-4, CI-4 PLUS, CI-4, and CH-4 standards. The unique formulation can be used in engines with exhaust gas recirculation (EGR), after treatment systems with diesel particulate filters (DPFs) and diesel oxidation catalysts (DOCs).

**MEETS THE FOLLOWING SPECIFICATIONS :** API CK-4

SAE Grade	Viscosity at 40°C (cSt)	Viscosity at 100°C (cSt)	Viscosity index	Pour point (°C)	Flash point (°C)
10W-30	85	11.2	135	-30	220
15W-40	121	15.4	129	-27	220

## REPSOL DXR 8 15W-40 , 15W-50 & 20W-50



Top High-Performance lubricant designed to meet the requirements of the most demanding diesel engines. Its formulation can attain the highest quality standards due to its highly refined base oils and balanced additives. DXR 8 guarantees long oil drain intervals and outstanding cleanliness in the engine, thanks to its excellent anti-wear and anti-rust properties. It is especially suitable for vehicles that must comply with EURO 4 and EURO 3 standards in accordance to manufacturer's specifications.

**MEETS THE FOLLOWING SPECIFICATIONS :** API CI-4/CH-4/SL , ACEA E7/E5 , JASO DH-1

SAE Grade	Viscosity at 40°C (cSt)	Viscosity at 100°C (cSt)	Viscosity index	Pour point (°C)	Flash point (°C)
15W-40	108	14.7	137	-27	236
15W-50	132	16.98	140	-27	236
20W-50	165	17.96	120	-20	250



## REPSOL DXR 7 15W-40 & 20W-50



Repsol DXR 7 is a high performance diesel engine oil that protects diesel engines operating in severe conditions for both on and off highway applications. This product delivers excellent performance in both modern and older diesel engines. It is highly recommended for a wide range of heavy-duty applications and operating environments typically in the trucking, mining, construction, quarry and agricultural industries.

**MEETS THE FOLLOWING SPECIFICATIONS :** API CH-4 / SJ

SAE Grade	Viscosity at 40°C [cSt]	Viscosity at 100°C [cSt]	Viscosity index	Pour point [°C]	Flash point [°C]
15W-40	106	14.12	135	-30	220
20W-50	154	17.7	120	-27	215

## REPSOL DXR 5 15W-40 & 20W-50



Repsol DXR 5 is a mineral grade engine oil designed to protect the engine against rust and wear. Robust and balanced formulation that helps to keep optimal performance even in the harshest environment. Provides extra protection for engines working with high biodiesel content in the fuel. Its high detergency power removes deposits and sludge from the engine keeping the engine safe from seizure.

**MEETS THE FOLLOWING SPECIFICATIONS :** API CF-4

SAE Grade	Viscosity at 40°C [cSt]	Viscosity at 100°C [cSt]	Viscosity index	Pour point [°C]	Flash point [°C]
15W-40	106	14.12	135	-30	220
20W-50	154	17.7	120	-27	215

## REPSOL DXR 3 15W-40 & 20W-50



Repsol DXR 3 is a versatile, multi-grade lubricant oil formulated with hydrotreated GII base stocks. It is most suitable for aspirated or supercharged petrol and diesel engines, such as engines in the professional and passenger transport fleets, and public works or agricultural machinery. This product has been tested in harsh environments and is proven to keep engines clean and protected in different conditions.

**MEETS THE FOLLOWING SPECIFICATIONS :** API CF / SF

SAE Grade	Viscosity at 40°C [cSt]	Viscosity at 100°C [cSt]	Viscosity index	Pour point [°C]	Flash point [°C]
15W-40	106	14.12	135	-30	220
20W-50	154	17.7	120	-27	215

## REPSOL DXR 3 10W



Repsol DXR 3 10W is a high quality, monograde mineral lubricant oil formulated with a hydrotreated and refined base oil. This product has an outstanding resistance to oxidation, a strong anti-wear performance, and excellent detergency-dispersancy to keep all the equipment clean and protected. It may be used as a hydraulic fluid in public works machinery, and in transmissions when such viscosity grade is recommended by the manufacturer.

**MEETS THE FOLLOWING SPECIFICATIONS :** API CF/SF , CATERPILLAR TO-2 , ALLISON C-3

SAE Grade	Viscosity at 40°C [cSt]	Viscosity at 100°C [cSt]	Viscosity index	Pour point [°C]	Flash point [°C]
10W	39	6.6	110	-27	200

## REPSOL DXR 3 SAE 30 & SAE 40



Repsol DXR 3 30 & 40 is a monograde mineral lubricant oil that protects high mileage engines with its improved detergency-dispersancy property. This product is highly recommended for machinery and stationary engines utilized in the public work sector. It is also suitable for aspirated and slightly supercharged diesel engines with normal drain oil intervals that are working in moderate to severe conditions.

**MEETS THE FOLLOWING SPECIFICATIONS :**

API CF/SF , ALLISON C3 , ACEA E2 , CATERPILLAR T02

SAE Grade	Viscosity at 40°C [cSt]	Viscosity at 100°C [cSt]	Viscosity index	Pour point [°C]	Flash point [°C]
30	105	11.8	100	-24	215
40	148	14.9	100	-21	225

## REPSOL DXR 2 15W-40 & 20W-50



Repsol DXR 2 is a multi-grade, robust formula that ensures anti-wear protection and a sealing effect in high mileage engines. It is specifically developed to preserve the engine life. The higher viscosity range of DXR 2 guarantees optimal performance in the harshest conditions. The high TBN reservoir makes it especially suitable for fuels with high biodiesel content.

**MEETS THE FOLLOWING SPECIFICATIONS :** API CD / SF

SAE Grade	Viscosity at 40°C [cSt]	Viscosity at 100°C [cSt]	Viscosity index	Pour point [°C]	Flash point [°C]
15W-40	106	14.12	135	-30	220
20W-50	154	17.7	120	-27	215



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