

HAVOLINE DIESEL EXTRA 10W-40

Havoline Diesel Extra 10W-40 is a highly shear stable, multigrade passenger car diesel engine oil of very high performance

Havoline Diesel Extra 10W-40 has been formulated from non-conventional and mineral base oils, together with a high performance additive package and a viscosity index improver which provides excellent shear stability.

Havoline Diesel Extra 10W-40 is certified against ACEA B3-98 for service-fill oils for light duty diesel engines. As further proof of top quality Havoline Diesel Extra 10W-40 is also fully API CF licensed and hence carrying the true API Service Symbol (DONUT).

Benefits

Havoline Diesel Extra 10W-40 is a top quality passenger car diesel engine oil.

Havoline Diesel Extra 10W-40 provides additional advantages, in comparison with mineral oil products in the area of higher thermal stability, excellent wide range viscosity-temperature characteristics and exceptional low-temperature fluidity.

Havoline Diesel Extra 10W-40 has been developed to offer a quality which satisfies the needs of all diesel passenger cars present, turbocharged or not, on the European roads. Havoline Diesel Extra 10W-40 will provide all year round flawless operability throughout Europe. Only at temperatures below -20C should a lower SAE grade oil be recommended.

Havoline Diesel Extra 10W-40 shows low oil consumption tendency and is particularly recommended for modern high output engines and those equipped with catalytic exhaust systems.

Havoline Diesel Extra 10W-40 will protect against engine failure and against engine performance deterioration, thereby reducing maintenance and repair costs.

Applications

For DIESEL engines the API CF and the ACEA B3-98 performance offer the highest level of protection against black sludge, wear and oil oxidation which today's lubrication technology can offer. The development of Havoline Diesel Extra 10W-40 has been directed to obtain approval from those European car manufacturers particularly concerned about wear problems. This further highlights the particularly high anti-wear performance which Havoline Diesel Extra 10W-40 fulfils.

Havoline Diesel Extra 10W-40 also provides exceptional protection in engines where oils are recommended meeting the former API CD and/or the former CCMC PD2 performance.

Standards and Approvals

Havoline Diesel Extra 10W-40 surpasses the following international gasoline engine and diesel engine oil performance standards and approvals:

Certified against:	ACEA B3-98, A3-98
Licensed as:	API CF/SJ
Manufacturer approvals:	VW 505.00, 500.00 BMW Special Oils List Mercedes Benz 229.1

PRODUCT INFORMATION



Health and Safety

Havoline Diesel Extra 10W-40 has been formulated to the highest safety standards and is unlikely to present any significant health and safety hazards when used properly in the recommended application, and when good standards of industrial and personal hygiene are maintained. However, should eye contact occur, flush for a minimum of 15 minutes with clean water. A comprehensive Materials Safety Data Sheet is available on request and is supplied as a matter of course to purchasers of this product.

Typical Data

Density at 15 °C, kg/l	0.88
Pour point, °C	-30
Flash point (COC), °C	226
Kinematic viscosity, mm ² /s	
at 40 °C	91
at 100 °C	13.9
Apparent viscosity, mPa.s	
at -25 °C	3370
at -30 °C	6200
Viscosity index	156
HTHS at 150 °C, mPa.s	3.8
Pumpability at -35 °C, mPa.s	32800
NOACK volatility, %wt	12.8
Total base number, mgKOH/g	10.1
Sulphated ash, %w	1.2