

HEAVY DUTY SUPER HPD 15W-40

Last generation multi-grade engine oil for heavy duty diesel and petrol engines

Description

Highly powered oil for all heavy naturally aspirated and turbo diesel engines, with or without intercooler, with direct or indirect fuel injection. Especially recommended for low emission engines EURO V not equipped with particle filters (DPF).

Applications

- Diesel and petrol engine oil for buses, machines, trucks as well as in (small) direct injected engines.
- Mixed fleets of vehicles from different manufacturers.
- Engines with exhaust gas recirculation system (EGR) and engines with catalytic reduction (SCR) using diesel fuel with a maximum sulfur content of 0.5%.
- Not recommended for engines equipped with particle filter (DPF).
- Compatible with previous engines – EURO I, II, III and IV.

Properties

- Very strong dispersant and detergent properties, keeping the engine really clean, and preventing the formation of sludge and deposits.
- Can be used in any season.
- Excellent protection against corrosion, oxidation and rust.
- Extends oil drain intervals and reduces consumption in both new and used engines.

Technical Data

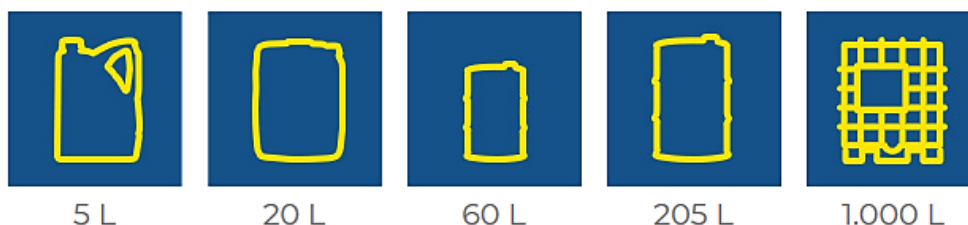
	Method	HD SUPER HPD
SAE Grade	SAE J300	15W-40
Viscosity at 40°C, cSt	ASTM D-445	93
Viscosity at 100°C, cSt	ASTM D-445	13,9
Viscosity index	ASTM D-2270	150
Viscosity at -20°C, CCS, cP	ASTM D-5293	<7000
Flash point, °C	ASTM D-92	220
Pour point, °C	ASTM D-97	<-25
TBN mg KOH/g	ASTM D-2896	>9
Noack volatility, max (% weight loss)	ASTM D-5800	<13
Sulfated ash, % on weight	ASTM D-874	≤2.0

The values shown do not constitute a specification but they are an indication based on regular fabrications that can be affected by the tolerance allowed in production

Specifications

ACEA	E7-12
API	CI-4 / CH-4 / CG-4 / CF-4
MERCEDES BENZ	MB-Approval 228.3 / 228.1
VOLKSWAGEN	VW 505.00
CAT	ECF-2 / ECF-1a
RENAULT	RVI RLD-2
VOLVO	VDS-3
MACK	EO-M+ / EO-M / EO-N
MTU	Type 2
DEUTZ	DQC-III
DDC	93K215
MAN	M 3275-1
CUMMINS CES	20076 / 20077 / 20078
SCANIA	LDF / LDF-2
IVECO	

Packaging available



Health, Security and Environmental Procedures

Data sheet for this product, conforming to current European regulations, is available.

Supplies information related to safety precautions, handling procedures, primary treatment and environmental data. We suggest reading before using the product.

Remember to dispose used oil according to current local regulation. Do not throw away in water drains or other waterways (Rivers, lakes, etc.).