CEPSA SUPERMULTIGRADO SHPD 15W40

Description

Lubricant oil for high-performance Heavy Diesel engines with the "MILD EXTEND DRAIN" rating, for Euro III and earlier engines, under extreme operating conditions, with no DPF and which require oil types with high "soot" control.

Applications
o   Especially recommended for all types of public works machinery that require API CH-4 lubricant oil.
o   All types of industrial vehicles with Euro III and earlier engines.
o   Light vehicles in urban service, with frequent starting and stopping.

Product performance
o   Highly effective control of the "soot" in the sump, in EURO III and EPA (American) engines, avoiding excessive thickening of the oil, filter blocking and wear of the valve train transmission.
o   High control of foam for designs that use the oil as a hydraulic fluid for actuating the diesel injection system.
o   Product with a high price-quality ratio, ideal for urban service and public works, with normal oil-change intervals.

Specifications

- ACEA E2
- VOLVO VDS
- CATERPILLAR ECF-1-a

- API CH-4
- MACK EO-M
- CATERPILLAR TO-2

- MB-Approval 228.1
- MTU Type 1
- ALLISON C4

- MAN 271
- CUMMINS CES 20071/76
- ZF TE-ML 04C/07C

Typical Characteristics

CHARACTERISTIC	UNITS	METHOD	CEPSA SUPERMULTIGRADO SHPD
SAE grade	-	-	**15W40**
Density at 15ºC	g/ml	ASTM D 4052	0.888
Viscosity at 100ºC	cSt	ASTM D 445	14.45
Viscosity at 40ºC	cSt	ASTM D 445	108
Viscosity index	-	ASTM D 2270	136
CCS viscosity at -20ºC	cP	ASTM D 5293	6300
Pour point	ºC	ASTM D 5950 / 97	-27
Flash point, COC	ºC	ASTM D 92	>210
Base number, TBN	mg KOH/g	ASTM D 2896	9.2
Sulfated ash	% (m/m)	ASTM D 874	1.2

Health & Safety and Environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.