

Product Data Sheet

HIPRO HDE SAE 15W-40, 20W-50 API CH-4

Premium Heavy Duty Multigrade Diesel Engine Oil

PRODUCT FEATURES

HIPRO HDE is a high performance, heavy-duty diesel engine lubricants designed and formulated for use in diesel engines used in trucks, fleets, mining, and earth moving equipment, construction, quarrying, agricultural industrial and farm equipment as well as for marine application.

APPLICATIONS

Suitable for use in a wide variety of heavy duty truck engines operating on highway including turbocharged engines and passenger car diesel engines, and off-highway equipment used in construction, mining and logging applications.

SPECIAL PROPERTIES

- ◆ Multi-viscosity grade to suit most climatic conditions
- ◆ Excellent engine and piston ring belt cleanliness
- ◆ Superior engine wear protection performance
- ◆ Prevents build-up of carbon deposits, maintains oil consumption control and prevents ring sticking and bore polishing.

PERFORMANCE LEVELS

- ◆ API CH-4/CF/SJ
- ◆ ACEA E5-02 quality
- ◆ MAN3275
- ◆ MB p228.3
- ◆ Volvo VDS-2
- ◆ MTU type 2

TYPICAL SPECIFICATION

PROPERTY	UNIT	TEST METHOD	SAE 15W-40	SAE 20W-50
			SPECIFICATION	SPECIFICATION
Density@15 deg C	kg/l	ASTM D4052	0.8780	0.8895
Viscosity at 40 deg C	cSt	ASTM D445	110	156
Viscosity at 100 deg C	cSt	ASTM D445	14 - 15	17.5 – 19.5
Viscosity Index		ASTM D 2270	135	128
Flash Point COC	deg C	ASTM D 92	Min 200	Min 200
Pour Point	deg C	ASTM D 97	-18	-18
Total Base Number	mgKOH/g	ASTM D 2896	9.7	9.7

* The above specifications are typical of current production, variation in these characteristics may occur, but will not affect the product performance.

CAUTION: Continuous contact with used oil has caused skin cancer in lab animals. Avoid prolonged skin contact. Avoid eye contact. Wash skin thoroughly with soap and water after handling. Flush eyes with water for 15 minutes in case of contact. If swallowed, do not induce vomiting. Contact a physician immediately. **KEEP OUT OF REACH OF CHILDREN.**