

HEAVY DUTY

15W-40

PRODUCT DESCRIPTION

Heavy Duty 15W-40 is all weather engine oil for highly loaded four cycle diesel and gasoline engines equipped with turbochargers, or naturally aspirated engines that operate under extreme loads for long periods.

Heavy Duty 15W-40 is manufactured using mineral base stocks, possessing excellent lubrication characteristics. The product contains highly effective additives package, which provides outstanding protection of engine parts under high loads. Heavy Duty 15W-40 maintains engine cleanliness, prevents the formation of varnish and burnout at valves, and prevents the build-up of refuse burnout and sluggish deposits in low temperature areas. Heavy Duty 15W-40 is characterized by a high Total Base Number (TBN), thus the product may be used in applications, operating on diesel fuel with high level of sulphur (up to 0.5%).

APPLICATION

- Heavy Duty 15W-40 is engineered specially for four cycle diesel and gasoline engines of trucks, off road and special purpose vehicles, operating in severe conditions.
- Heavy Duty 15W-40 is perfectly suitable for older models of engines, that require engine oils of API CH-4, CG-4, and CF Service Categories.

CUSTOMER BENEFITS

- Consistent oil performance at varied temperatures and outstanding lubrication properties offer the possibility to operate vehicles in various climate conditions.
- The specially selected additives package effectively reduces wear under boundary lubrication and contributes to service life extension.
- Time proven outstanding protection performance of oil formulation allows to maximize overall engine durability.

MEETS SPECIFICATIONS AND REQUIREMENTS OF

- API CI-4/CH-4/ CG-4/ CF-4/ CF/ SL
- ACEA E3/ E7
- Global DHD-1 (Demo)
- MB p228.3 (PA)
- MAN 3275 (PA)
- MTU Type II
- VOLVO VDS-2/3
- CUMMINS 20071 /6 /8
- CUMMINS 20072/ 7
- MACK EO-M, EO-M Plus
- JASO DH-1

Before using this product, ensure it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices.

Heavy Duty 15W-40 — *continued*

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	ASTM
SAE Grade		15W-40	
Kinematic viscosity at: 40°C	cSt	110.1	ASTM 445
100°C	cSt	14.79	ASTM 445
Flash point	°C	228	ASTM D92
Pour point	°C	-36	ASTM D97
Density at 30°C	Kg/l	0.8600	ASTM D4052
Dynamic viscosity at -20°C, CCS	cPs	5339	ASTM D5293
Total Base Number, TBN	mgKON/g	13.09	ASTM D2896
Viscosity Index		138	ASTM D2270
Colour		L2.5	ASTM D1500

STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight.
- Cans, packed in cardboard boxes, must be stored in dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors on pallets and racks.
- If stored outdoors drums should be placed sidewise to avoid accumulation of moisture.

HEALTH, SAFETY AND ENVIRONMENT PROTECTION

Information on health, safety and environment protection is described in the product Safety Data Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

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