

HEAVY DUTY Motor Oil

15W-40

PRODUCT DESCRIPTION



All-weather engine oil for highly loaded four cycle diesel engines, including those, equipped with various systems of performance increase such as supercharging system with intercooling, exhaust gas recirculation system (EGR)

etc.

TOTACHI HEAVY DUTY Motor Oil 15W-40 is made using premium base oils with high viscosity index and excellent stability. The balanced additives package possesses excellent protective characteristics that provide minimized wear of highly loaded parts. The product maintains optimal engine cleanliness due to the excellent detergent and dispersion additives and protects engine against formation of varnish, burnout and low temperature deposits.

APPLICATION

- TOTACHI HEAVY DUTY Motor Oil 15W-40 is recommended for passenger cars as well as commercial, off road and special purpose vehicles, operating in severe conditions with extremely high loads.
- TOTACHI HEAVY DUTY Motor Oil 15W-40 is a perfect choice for mixed fleets, which include vehicles with gasoline engines, which require oils with API SL/SH Service Categories.

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	mg KOH/g	13,09	ASTM D2896
Viscosity index		138	ASTM D2270
Color		L2,5	ASTM D1500

CUSTOMER BENEFITS

- The balanced formulation of the product offers excellent antioxidizing properties and stability that provide possibility to operate applications with the increased service intervals.
- Base oils in TOTACHI HEAVY DUTY Motor Oil 15W-40 have high viscosity index and provide all-weather operation of applications in various climate conditions, including regions with low ambient temperatures.
- Outstanding proven performance of the product provides overall extended durability of engine.

MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- API CI-4/SL;
- ACEA A3/B4/E7;
- JASO DH-1.

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

HEAVY DUTY Motor Oil 15W-40 — *continued*

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.

TOTACHI INDUSTRIAL CO. LTD. disclaims any liability in case the product is used with violation of these instructions and warnings or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.