

PRODUCT DESCRIPTION

DENTO Heavy Duty Diesel 20W-50 is an all-weather heavy-duty diesel engine oil for highly loaded four-cycle diesel engines equipped with turbochargers or naturally aspirated engines that operate under extreme loads for long periods. A perfect choice for high mileage diesel engines with increased oil consumption or burnout. Suitable for use in trucks, buses, mining, farming, boats, construction and stationary equipment.

DENTO Heavy Duty Diesel 20W-50 is formulated with highly effective components to provide outstanding protection of engine parts under high loads. It maintains engine cleanliness, prevents varnish, sludge formation and deposit build up. Suitable for mixed fleet applications.

APPLICATION

Recommended for diesel engines. For trucks, light commercial vehicles, agricultural machineries and other on-road & off-road systems requiring a 20W-50 API CI-4 engine oils.

Backward compatible to API CH-4, CG-4, CF-4 and older specs.

Not to be used in engines with Diesel Particulate Filters (DPF).

WARRANTY

DENTO Heavy Duty Diesel 20W-50 meets or exceeds the OEM's warranty requirements of high-speed, 4-stroke

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	STANDARDS
SAE Grade	-	20W-50	SAE J300
Kinematic viscosity at:			
40 °C	cSt	162.30	ASTM D445
100 °C	cSt	18.00	ASTM D445
Viscosity index	-	123	ASTM D2270
Cranking viscosity at -15°C	mPa-s	7787	ASTM D5293
Color	-	2.5	ASTM D1500

diesel engines where API CI-4 and older diesel engine oils specs is

required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

CUSTOMER BENEFITS

- Cleaner Engines**
Highly effective detergent & dispersants to protect piston against harmful deposits and sludge.
- Durable Engine**
Outstanding protection performance maximizes the overall engine durability.
- Reduced Maintenance Costs**
Good wear protection for a trouble-free operation between oil intervals.

MEETS SPECIFICATIONS & REQUIREMENTS OF:

- API CI-4
- MB 228.3
- DEUTZ DQC II-18

Suitable for use in various heavy duty automotive and industrial machineries requiring an API CI-4 and older specs diesel engine oil.

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

Flash point	°C	262	ASTM D92
Pour point	°C	-33	ASTM D6892
Density at 30 °C	kg/L	0.8694	ASTM D4052
Total Base Number	mgKOH.g	8.60	ASTM D2896

STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight.
- Store in cool and dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors or under cover on pallets and racks.

HEALTH, SAFETY & 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.