

DENTO Heavy Duty 20W-50

PRODUCT DESCRIPTION

High quality mineral engine oil for four cycle diesel and gasoline engines, equipped with systems of performance enhancements such as exhaust gas recirculation (EGR), supercharge with intercooling and others.

The product is manufactured using highly refined mineral base stocks, possessing excellent lubrication characteristics. DENTO Heavy Duty 20W-50 contains effective additives package, which provides outstanding protection of engine parts under high loads. Due to the high level of detergent and dispersant additives the product maintains engine cleanliness, prevents the formation of varnish and burnout at valves, as well as it prevents the buildup of refuse burnout and sluggish deposits in low temperature areas. DENTO Heavy Duty 20W-50 is characterized with increased Total Base Number (TBN), thus the product may be used in applications, operating on fuel with high level of sulfur (up to 0.5%).

APPLICATION

- DENTO Heavy Duty 20W-50 is engineered specially for four cycle diesel and gasoline engines of quarry vehicles, off road and special purpose vehicles, operating in severe conditions, when engine constantly works under extreme and ultimate loads.
- DENTO Heavy Duty 20W-50 is perfectly suitable for mixed fleets with diesel and gasoline powered

applications, operating in hot climate regions and requiring engine oils of API CI-4 or API SL Service Categories.

CUSTOMER BENEFITS

- DENTO Heavy Duty 20W-50 has increased viscosity grade and excellent lubrication properties, which provide high level of engine parts protection when applications work under very high loads.
- The base oils in product formulation are highly refined and have high oxidation stability, allowing to extend service intervals of vehicles.
- Time proven outstanding protection performance of oil formulation allows to maximize overall engine durability.

MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- API CI-4, CH-4/SL
- ACEA E7-04
- Cummins 20072
- MAN 3275
- MB 228.3

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

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	ASTM
SAE Grade		20W-50	
Kinematic viscosity at:			ASTM 445
40°C	cSt	166,2	ASTM 445
100°C	cSt	18,7	
Flash point	°C	246	ASTM D92
Pour point	°C	-33	ASTM D97
Density at 30°C	kg/l	0,878	ASTM D4052
Viscosity index		138	ASTM D2270
Color		L3,0	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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