



RAILROAD ENGINE OIL

175 20W-40

Product Description:

RAILROAD ENGINE OIL 175 20W-40 is a high performance, Zinc-free and chlorine-free multigrade oil specially designed to provide excellent engine cleanliness and oil filter life in the modern railroad diesel locomotive engines.

RAILROAD ENGINE OIL 175 20W-40 is recommended for railroad diesel locomotive engines specifying LMOA Generation 5 quality oils & for medium speed two-cycle and four-cycle railroad engines, including newer diesel locomotive engines of GE and EMD of General Motors.

RAILROAD ENGINE OIL 175 20W-40 is also suited for marine and stationary engines for power generation or off-shore drilling requiring zinc-free oils and for Detroit Diesel 149 series engines operating under severe conditions and stationary engines requiring API CF and CF-2 quality oils.

RAILROAD ENGINE OIL 175 20W-40 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Exceptional detergency and dispersancy provides excellent engine cleanliness, especially engine top decks.
- Excellent retention of TBN facilitates extended drain intervals.
- High thermo-oxidative.
- Zinc-free formulation protects silver bearings against corrosion.
- Non-chlorinated additive package helps in reducing used oil disposal costs.

RAILROAD ENGINE OIL 175 20W-40 exceeds the following performance criteria:

API CF / CF-2

LMOA Generation 5

EMD of General Motors

GE as Generation 4 Long Life Oils

GE Diesel Engines

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	20W-40
Density@15°C	kg/m ³	ASTM D4052	877.0
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	128.5
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	15.2
Viscosity Index		ASTM D2270	122
Total Base Number	mgKOH/g	ASTM D2896	17.5
Sulphated Ash	%Wt	ASTM D874	1.5
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-30

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