

Product Data Sheet

Railmotive 473

Description and Applications

Saheli Railmotive 473 is zinc-free oil specially designed for railroad diesel locomotive engines.

Saheli Railmotive 473 is formulated with carefully selected additives to provide excellent detergency, dispersancy, good filterability, excellent oxidation stability and in-service TBN retention.

The zinc-free formulation technology used in this oil makes it suitable for lubrication of engines with silver alloy bearings also.

Saheli Railmotive 473 is available in SAE 40 viscosity grade and exceeds the performance requirements of Locomotive Maintenance Officers Association (LMOA) Generation 4 and **API CF/CF-2**.

Features and Benefits

- Excellent detergency/dispersancy provides superior engine cleanliness
- Excellent in-service retention of TBN facilitates extended drain intervals
- High oxidation stability minimizes sludge and deposit formation
- Zinc-free formulation protects silver bearings against corrosion

Applications

- Railroad diesel locomotive engines of Electromotive Division (EMD), General Electric (GE) and American Locomotive Company (ALCO) specifying LMOA Generation 4 oils
- Marine and stationary engines for power generation or off-shore drilling requiring zinc-free oils
- Detroit Diesel 149 series engines operating under severe conditions
- Stationary engines requiring API CF and CF-2 quality oils

Specifications

Meets and exceeds:

- **API CF-2/CF**
- **LMOA: Generation 4**

Test Parameters	Test Method	Typical Results
SAE Viscosity Grade		40
Density @ 15°C gm/cm ³	ASTM D 1298	0.901
Viscosity Index	ASTM D 2270	97
Viscosity @ 100°C (cSt)	ASTM D 445	15.1
Pour Point °C	ASTM D 97	-18
Flash Point (COC) °C	ASTM D 92	246
Sulfated Ash, wt%	ASTM D874	1.6
Zinc, ppm	ICP	<10
T.B.N mg KOH/gm	ASTM D 2896	13.3