

Product Data Sheet

Railmotive 135

Description and Applications

Saheli Railmotive 135 series are high performance, zinc-free and chlorine-free oil specially designed to provide excellent engine cleanliness and oil filter life in the modern railroad diesel locomotive engines. These oils are formulated with an additive package endorsed by engine manufacturers' and meet the requirements of newer diesel locomotive engines of General Electric (GE) and Electro-Motive Division (EMD) of General Motors.

Though the newer engines consume significantly less oil and operate at higher temperatures, the excellent TBN retention property and improved oxidation resistance of **Saheli Railmotive 135** provides superior service and facilitate extended drain intervals.

Saheli Railmotive 135 exceeds the performance requirements of Locomotive Maintenance Officers Association (LMOA) Generation 5 and **API CF/CF-2** and is available in two viscosity grades, viz. **SAE 20W40** and **SAE 40**.

Features and Benefits

- Exceptional detergency/dispersancy that provides excellent engine cleanliness, especially engine top decks.
- Excellent in-service retention of TBN facilitates extended drain intervals and high thermo-oxidative stability protects against sludge formation providing cleaner engines.
- Zinc-free formulation protects silver bearings against corrosion.
- Non-chlorinated additive package helps in reducing used oil disposal costs.
- **SAE 20W40** helps provide reduced oil consumption, fuel economy, longer oil drain intervals and effective lubrication and oil flow at lower temperatures.

Applications

- **Saheli Railmotive 135** is recommended for railroad diesel locomotive engines specifying LMOA Generation 5 quality oils and for medium speed two-cycle and four-cycle railroad engines, including newer diesel locomotive engines of GE and EMD of General Motors.
- **Saheli Railmotive 135** is also recommended for marine and stationary engines for power generation or offshore drilling requiring zinc-free oils.
- **Saheli Railmotive 135** is also suitable for Detroit Diesel 149 series engines operating under severe conditions and stationary engines requiring API CF and CF-2 quality oils.

Specifications

Meets and exceeds:

- **API CF-2/CF**
- **LMOA: Generation 5**
- **GM EMD**
- **GE Generation 4 Long Life Oils**

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Test Parameters	Test Method	Typical Results	
SAE Viscosity Grade		40	20W40
Density @ 15°C gm/cm ³	ASTM D 1298	0.898	0.893
Viscosity Index	ASTM D 2270	98	114
Viscosity @ 100°C (cSt)	ASTM D 445	15.1	15.5
Pour Point °C	ASTM D 97	-18	-24
Flash Point (COC) °C	ASTM D 92	246	228
Sulfated Ash, wt%	ASTM D874	1.52	1.52
Zinc, ppm	ICP	<10	<10
T.B.N mg KOH/gm	ASTM D 2896	13.2	13.2

The information contained in this data sheet are indicative and correspond to the date of publication of this document. The above data are based on laboratory tests. It is the reader's interest to ensure whether the most recent version of the data sheet. A safety data sheet is available on request by our sales consultant. For more information, please contact the sales department.