

MAK RR 10M

Description

This is Zinc free multigrade Railroad Engine oil developed for lubrication of diesel locomotives. The core package meeting LMOA Generation 5 specifications has been optimized with respect to TBN, keeping in mind reduced diesel Sulphur levels during last few years. This oil is formulated using the premium quality Group II+ base oils manufactured by Mumbai refinery.

Application

MAK RR 10 M is recommended for use in diesel locomotives of Indian railways and shunting locomotives in steel, cement plants etc.

Benefits

- Enhanced anti-wear control thereby reduced engine component wear
- Better oxidation stability increasing oil and engine life
- Enhanced dispersancy keeps engine & its components clean

Performance Level

Proprietary grade



Technical Specifications

Characteristic	ASTM	MAK RR 10M
Appearance		Clear & Bright
Colour, Visual Observation		Brown
Density @15°C, gm/ml	D-1298	0.8688
K.V at 100° C, cSt	D-445	15.9
Viscosity Index	D-2270	118
Flash Point, (COC), °C	D-92	228
Pour Point, °C	D-97	-21
TBN, mg KOH/g of oil	D- 2896	10.2
Foaming Characteristics a) Sequence I b) Sequence II c) Sequence III	D-892	Nil / Nil 10 / Nil Nil / Nil

All the mentioned values are typical which may vary from batch to batch.

Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept horizontally with bunk position at 3 O'clock 9 O'clock position
- Barrels should be kept away from dusty or heated areas.
- During handling any contact with dust must be avoided

Health & Safety

This grade is not hazardous under normal conditions of use. For further guidance Material Safety Data Sheet (MSDS) may be referred.

Advice

For any further advice on applications or otherwise, please contact the nearest Bharat Petroleum territory office or Technical Services department at the address given below.

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