MAK RR 940

Description

This is a Zinc free rail road engine oil meeting 'Generation 4' requirements of Locomotive Maintenance Officers' Association (LMOA), USA. This oil is blended from high viscosity base oils.

Application

- This is recommended for use in ALCO and EMD M 11761C locomotives of Indian railways and shunting locomotives in steel, cement plants etc.
- This oil has been approved by Indian Railways for ALCO and EMD locomotives.
- It is also approved for use in L&T-DDC Two Stroke Cycle Engine Series 53, 71, 92 and 149.

Benefits

- Contains ash-less and anti-wear additives
- It also contains detergent-dispersant additives

Performance Level

- Generation 4 of LMOA, USA
- API CD

Technical Specifications

Characteristics	ASTM	MAK RR 940
Appearance	-	Clear & bright
Colour, Visual	-	Brown
Density @ 15 deg C	D-1298	0.8982
K.V.@100 deg C, cSt	D-445	15.7
Viscosity Index	D-2270	94
Flash Point(COC), deg C	D-92	238
Pour Point, deg C	D-97	-9
TBN Value mg KOH/gm	D-2896	13
Copper Corrosion@ 100 deg C for 3 Hrs.	D-130	1a
Rust Proctetion, 24 Hrs.	-	No rust after test

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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