



LUBRICANTS

POWER TO PERFORM

HP RAIL ROAD OIL 713

DESCRIPTION

HP RAIL ROAD OIL 713 is a generation-4 Zinc free crankcase oil for all locomotives including EMD, GE & ALCO.

Meets API CF, LMOA Generation-IV & E-DL 2 of IS:13656:2014 (Re-affirmed 2013) specifications.

Recommended for use in all types of locomotives operating in Indian railways. Absence of Zinc in the oil makes it ideal for use in diesel locomotives fitted with Silver components.

- Resistance to deposits on engine parts
- Exceptional thermal and oxidation stability
- Absolute control of corrosive wear

PHYSICO-CHEMICAL PROPERTIES

Kinematic Viscosity, @ 100°C, cSt	15.8-16.2
Viscosity Index, Min	90
Flash Point, (COC) °C, Min	225
Pour Point, °C, Max	-6
Sulphated Ash % wt., Max	1.8
TBN, mg KOH/g, Min	12.9
Zinc, ppm, Max	10

APPROVED BY

RDSO for use in all types of locomotives operating in Indian Railways

L&T for Detroit DG sets