



HP Lubricants - Product Data Sheet



HP RAIL ROAD OIL 713

- HP RAIL ROAD OIL 713 IS A GENERATION -4 ZINC FREE CRANKCASE OIL FOR ALL LOCOMOTIVES INCLUDING EMD, GE & ALCO
- MEETS API CD, US MILITARY MIL-L-45199B, LMOA GENERATION-IV & E-DL 2 OF IS:13656-1993 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

KINEMATIC VISCOSITY <i>est</i> @ 100C	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, mgKOH/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

**PRESS TO
RETURN**



**FOR FURTHER INFORMATION PLEASE CONTACT OUR NEAREST
REGIONAL OFFICE**