

LOCO 13

ZINC FREE RAILWAY CRANKCASE OIL

DESCRIPTION

Gulf Western Oil LOCO 13 products are high quality Zinc (Zn) and Chlorine (Cl) free diesel engine lubricants for locomotive engines operating under severe service application. LOCO 13 is specifically formulated to offer high levels of dispersant, corrosion protection and anti-wear properties to protect in the most demanding service situations.

LOCO 13 delivers outstanding value through superior protection, outstanding oxidation and thermal stability. For railroad diesel engines as well as power generation, marine and other industrial engine applications requiring a zinc-free oil and LMOA Generation 4 LL or Generation 5 performance characteristics.

SUMMARY OF BENEFITS

- Market leading additive technology based
- High reserve alkalinity (TBN) for excellent acid neutralization capability
- Formulated to protect engines operating under adverse conditions including, hot, arid as well as tropical conditions
- Exceeds LMOA Generation 5 requirements
- Chlorine and Zinc Free formulation
- Excellent engine sludge and deposit control leading to a cleaner, more efficient engine
- Excellent ring and liner wear control
- Excellent oxidation and viscosity control
- Outstanding bearing and yellow metal protection

PERFORMANCE STANDARDS

SAE GRADE	20W-40	40
API PERFORMANCE	CF/CD	CF-2/ CF/CD
LMOA GENERATION 5	✓	✓
G.E GENERATION 4 LONG LIFE	✓	✓
CATERPILLAR 3600	✓	✓

STORAGE

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

HEALTH, SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

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TYPICAL CHARACTERISTICS

LOCO 13	60055	60053
SAE Viscosity Grade	20W-40	40
Density @ 15°C (kg/L)	0.8834	0.8838
Colour (ASTM)	3.5	3.5
Viscosity @ 40°C (cSt)	134	130
Viscosity @ 100°C (cSt)	15.7	13.5
Viscosity Index	123	105
Apparent Viscosity @ -15°C (cP)	6200	-
Pour Point (°C)	-36	-15
Flash Point (COC, °C)	230	224
TBN (mg KOH/g)	13	13

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.

AVAILABLE PACK SIZES

60055 and 60053