

LOCO 9

ZINC FREE RAILWAY CRANKCASE OIL

DESCRIPTION

Gulf Western Oil LOCO 9 products are high quality Zinc (Zn) and Chlorine (Cl) free diesel engine lubricants for locomotive engines operating under severe service application. LOCO 9 is specifically formulated to offer high levels of dispersant, corrosion protection and anti-wear properties to protect in the most demanding service situations.

LOCO 9 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 6 performance characteristics.

SUMMARY OF BENEFITS

- Market leading additive technology based
- Formulated for use with low and ultra low sulfur diesel as used in Australia
- Formulated to protect engines operating under adverse conditions including, hot, arid as well as tropical conditions
- Exceeds LMOA Generation 6 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
LMOA GENERATION 6	✓	✓
API PERFORMANCE	CF	CF-II/ CF
G.E GENERATION 4 LONG LIFE	✓	
G.E. LMOA GENERATION 6		✓
EMD LMOA GENERATION 5	✓	
EMD LMOA GENERATION 6		✓

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 9	60057	60056
SAE Viscosity Grade	20W-40	40
Density @ 15°C (kg/L)	0.877	0.882
Colour (ASTM)	4.0	4.0
Viscosity @ 40°C (cSt)	136.4	140.6
Viscosity @ 100°C (cSt)	15.4	15.0
Viscosity Index	113	105
Apparent Viscosity @ -15°C (cP)	6400	-
Pour Point (°C)	-27	-18
Flash Point (COC, °C)	230	250
TBN (mg KOH/g)	9.2	9.2

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

SAE 20W-40 - 60057

SAE 40 - 60056