

# TECHNICAL DATA SHEET

## POWER RAIL



### DESCRIPTION

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

POWER RAIL 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

### SPECIFICATIONS

- API CF/CD (SAE 20W-40)
- API CF-2/CF/CD (SAE 40)
- LMOA GEN 5
- "G.E" GENERATION 4 LONG LIFE
- EMD-APPROVED
- CATERPILLAR 3600

### TYPICAL CHARACTERISTICS

PRODUCT NUMBER	TEST METHOD	60055	60053
DENSITY @15°C, kg/l	-	0.8834	0.8838
KINEMATIC VISCOSITY			
@ 40°C	ASTM D445	134	130
@ 100°C	ASTM D445	15.7	13.5
VISCOSITY INDEX	ASTM D2270	123	105
COLOR ASTM	-	3.5	3.5
POUR POINT, °C	ASTM D97	-36	-15
FLASH POINT COC, °C	ASTM D92	230	224
SAE VISCOCITY GRADE	-	20W-40	40
APPARENT VISCOCITY @-15°C (cP)	-	6200	-
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.

### STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION

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 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.

Jul 2025

### GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (AUST) PTY LTD

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