

# PRODUCT DATA SHEET



## Marathon Multipower-REO3 | Premium Railroad Engine Oil SAE 40

### Product Description

Marathon Multipower-REO3 SAE 40 is a best-in-class Railroad Engine Oil formulated to meet the rigorous requirements of GE and EMD Tier 4 locomotives. Premium base oils plus an advanced additive package reduce oil consumption and lower emissions, even in severe operating conditions. Marathon Multipower-REO3 significantly lowers SAPS (sulfated ash, phosphorous, and sulfur) in low sulfur and ultra low sulfur diesel fuels. Outstanding engine lubrication, yellow metal wear protection, and oxidation stability are additional key benefits. Multipower-REO3 meets or exceeds the requirements of LMOA Generation 5 & 6 standards and is backwards compatible with previous model Progress Rail (formerly EMD) and Wabtec (formerly GE) engines.

### Applications

- Railroad
- Marine
- Power generation
- Medium speed two-cycle & four-cycle diesel engines

### Features & Benefits

- **Meets or exceeds requirements of LMOA Gen 5 & 6 Tier 4**  
Offers backwards compatibility for previous model Progress Rail (EMD) & Wabtec (GE) engines  
Includes EMD 567, 645, & 710 engines
- **Expansive locomotive applications**  
Provides enhanced protection for legacy models (e.g., Detroit Diesel, ALCO, Fairbanks, & Morse)
- **Exceptional alkalinity (base number) retention**  
Reduces oil consumption, neutralizes harmful acids, and lowers emissions
- **Outstanding wear control**  
Extends engine life and protects critical engine components

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### Technical Data (Typical values)

SAE Grade	ASTM	40
Viscosity Index	D1298	102
Kinematic Viscosity, cSt @ 40°C	D445	141
Kinematic Viscosity, cSt @ 100°C	D445	14.7
API Gravity @ 60F	D4052	27.6
Pour Point, °C	D5949	-26
Flash Point, °C	D92	232
Sulfated Ash, wt%	D874	1.15
Total Base Number, mg KOH/g	D2896	9
Zinc, ppm (max)	D4951	10

*The recommended shelf life for these oils is typically 48 months from manufacturing date when stored properly in the original sealed containers.*

*The product described above is designed for a specific use and may not be valid for other uses not specified in our specification sheet or in applications not requiring this specific product. Marathon Petroleum Company believes the information presented in this specification is accurate at the time written and is based upon internally generated information and information as presented by its vendors. No representation, warranty, or guarantee is made as to its accuracy or completeness. We do not accept any liability for any loss or damage that may occur from the use of this information.*