



Super S EMD Railroad and Marine Engine Oils

Super S EMD Railroad and Marine Engine Oil is a superior quality engine oil formulated to address the emerging fuel and emission standards coming to locomotive and mariner service. It is designed for EMD and GE Gen 6 engines used in a wide range of railroad, inland marine, mining and stationary engine applications. Patented non-chlorinated technology is future proof for Gen 7 emission requirements.

FEATURES/ BENEFITS

- **Super S EMD Railroad and Marine Engine Oil**
- Improved anti-wear protection:
Improved component life cycle costs, Outstanding bearing and yellow metal wear protection.
- Advanced dispersant technology:
Higher soot loading capability, addresses issues with lower oil consumption and longer oil sump residence time
- Optimized TBN level and retention:
Supports extended drains, Formulated and OEM approved use with ultra low sulfur diesel fuel, reduced sulfated ash, enhanced particulate emission control
- Improved thermal and oxidative stability:
Excellent engine cleanliness and sludge control, superior oil viscosity control, minimize oil degradation, effectively addresses increased locomotive utilization rates and power generation.

APPLICATIONS

Fully approved for use in medium speed, high output turbo-charged late model EMD, GE, and Caterpillar engines, both two and four stroke, for use in:

- Marine service
- Locomotive service
- Stationary electrical generation plants
- Offshore platforms

RECOMMENDATIONS/SPECIFICATIONS

Super S EMD Railroad and Marine Engine Oil is approved for use in applications calling for GE or EMD Generation 6 fluids.

SPECIAL HANDLING, NOTICES OR WARNINGS

Use the same care and handling that you would use with petroleum products.

TYPICAL CHARACTERISTICS

Super S EMD Railroad and Marine Engine Oils			
<i>Property</i>	<i>Test Method ASTM -D</i>	<i>SAE 40</i>	<i>20W-40</i>
API Gravity	1298	30	30
Flash Point °C/ °F	92	216/420	216/420
Pour Point °C/ °F	97	-5/23	-12/10
Low Temp Viscosity cP @-15		N/A	4815
Viscosity cSt @ 100°C	445	13.5	15.2
VI	2270	100	140
Color	1500	7	7
TBN	2896	10	10
Ash	874	<1.0	<1.0

Typical test data are average values only.

Minor variations which do not affect product performance are to be expected during normal manufacturing.