

FS Railroad Engine Oil

SAE 20W-40, 11 TBN

Description

FS Railroad Engine Oil is formulated to provide year-round lubrication in two- and four-cycle, low- and high-horsepower, turbocharged, railroad, marine, and stationary medium-speed diesel engines requiring zinc-free lubrication. Its optimized additive formulation has a reduced ash content and incorporates advanced dispersant technology. It enhances oxidation and thermal stability and improves yellow metal wear protection. FS Railroad Engine Oil is formulated to provide low- and ultra-low-sulfur diesel consumption, lower deposits, and longer filter life.

Features and Benefits:

- OEM approval
- Meets current GE and EMD specifications
- Qualifies for unrestricted use in GE and EMD high-horsepower turbo-charged diesel engines
- No warranty restrictions
- Improved anti-wear for component life along with improved bearing and metal wear protection
- Optimized TBN levels formulated for use with low- and ultra-low-sulfur diesel fuels
- Extended oil drain intervals
- Extended filter life
- Improved cold weather starting
- Zinc-free protection

Applications:

- All two- and four-cycle, naturally aspirated, or turbocharged medium-speed diesel engines
- Railroad, marine, and stationary engines where zinc-free lubrication is required
- EMD 567, 645, 710, and 1010 engines, meeting EPA Tier 4 and previous emission standards
- GE diesel engines where low and ultra-low sulfur fuels are used, including Tier 4 emission levels
- Backwards compatible to all previous generations

Product Availability:

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55-gal. Drum	Item #395844
265-gal. Totes	Item #395845
Bulk	Item #396213

Typical Properties:

Test / Description	Specification
SAE Grade	20W-40
Viscosity @ 100°C (cSt) ASTM D445	15.4
Viscosity @ 40°C (cSt) ASTM D445	138
Viscosity Index ASTM D2270	115
Density @ 60°F (lb/gal) ASTM D6822	7.300
CCS Viscosity @ -15°C, (cP) ASTM D5293	8,380
Pour Point °C (°F) ASTM D5950	-15 (5)
Flash Point °C (°F) ASTM D92	253 (487)
TBN ASTM D2896	11
API Gravity ASTM D287	29.9
Sulfated Ash (% wt) ASTM D874	1.0
Sulphur (%) ASTM D4294	0.19
Zn (PPM) ASTM D4951	<1.0
Phosphorus (PPM) ASTM D4951	<1.0