

UNITED RAILROAD ENGINE OIL

SAE 20W-40, 11 TBN



United 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. United's optimized additive formulation has a reduced ash content and incorporates advanced dispersant technology. It is engineered to reduce oxidation and provide thermal stability along with improved yellow metal wear protection. United Railroad Engine Oil is formulated to provide lower oil consumption, lower deposits, and longer filter life.

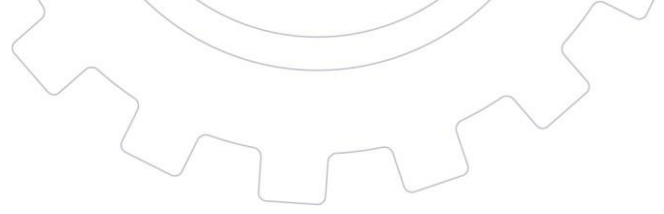
Features:

- OEM approval
- Meets current GE and EMD specifications
- Qualifies for unrestricted use in GE and EMD high-horsepower, turbocharged diesel engines
- No warranty restrictions
- Improved anti-wear for component life, along with improved bearing and metal wear protection
- Optimized total base number (TBN) levels formulated for use with low- and ultra-low-sulfur diesel fuels
- Provides the ability to safely extend oil drain intervals (through oil analysis)
- 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 level

TYPICAL SPECIFICATION DATA



SAE Grade	20W-40
Viscosity @ 100°C (cSt)	15.4
Viscosity @ 40°C (cSt)	138
Viscosity Index	115
Density (lb/gal)	7.300
CCS Viscosity (cP)	8,380
Pour Point (°C)	-15
Pour Point (°F)	5
Flash Point (°C)	253
Flash Point (°F)	487
TBN	11
API Gravity	29.9
Sulfated Ash (% wt)	<1
Sulphur (%)	0.19
Zn (ppm)	<1
Phosphorus (ppm)	<1

Product Availability:

- 55 Gal
- 265 Gal
- Bulk
- Item # 395842
- Item # 395843
- Item # 396212