

# UNITED RAILROAD ENGINE OIL

## SAE 40 & 20W-40, 9 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:

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- 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:

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- 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 Generation V
- GE Generation 4 long life

# TYPICAL SPECIFICATION DATA



SAE Grade	20W-40	40
Viscosity @ 100°C (cSt)	15.3	15.0
Viscosity @ 40°C (cSt)	140	165
Viscosity Index	112	90
Density (lb/gal)	7.44	7.53
CCS Viscosity (cP)	9,500	NA
Pour Point (°C)	-27	-18
Pour Point (°F)	-17	0
Flash Point (°C)	232	232
Flash Point (°F)	450	450
TBN	9	9
Zn (PPM)	<1	<1