



## ***Super Railroad Engine Oil***

PureGreen® Super RREO are premium heavy-duty engine oils designed to meet the severe requirements of high-output, turbo-charged and medium-speed railroad locomotive diesel engines and railroad-type diesel engines used in marine and stationary applications. Through the use of select re-refined base stocks, Super RREO delivers the unique combination of environmental responsibility and ultimate lubricant performance. It delivers the performance and protection of top conventional engine oils while conserving irreplaceable petroleum resources.

PureGreen Super RREO is formulated with an advanced additive system that includes increased levels of detergents, dispersants and anti-wear agents to control piston deposits, minimize sludge formation and protect critical engine parts from wear. PureGreen Super RREO provides:

- High TBN and excellent TBN retention
- Zinc-free formulation to protect silver bearings
- Excellent shear stability and oxidation control for longer oil and filter life
- Reduced sludge formation and piston deposits
- Superior anti-wear protection
- Non-chlorinated additive package
- Improved fuel economy and low-temperature performance (20W-40)

PureGreen Super RREO is recommended for use in railroad locomotive engines including General Electric Generation IV Long Life, LMOA Generation V and General Motors Electro-Motive Division (EMD). They also meet the performance requirements of many medium-speed diesel engines used in marine and stationary service including Caterpillar, ALCO, and Fairbanks-Morse.

### ***PureGreen Super Railroad Engine Oil*** **TYPICAL INSPECTION TESTS**

<b>SAE Grade</b>	<b>40W</b>	<b>20W-40</b>
API Performance	CD	CD
Gravity, API (D287)	23	26
Flash Point, °C (°F)	216(420)	216(420)
Viscosity, cSt @ 40°C	178.2	135.1
Viscosity, cSt @ 100°C	13.6	15.2
Viscosity Index (D2270)	84	117
Total Base Number, D2896	17	17
Ash, Sulfated, wt.%	1.71	1.92
Pour Point, °C (°F)	-12(10)	-12(10)
Re-Refined Base Oil, %	>70	>70