PURAMAX RAILROAD ENGINE OIL ULS 9 TBN

PURAMAX RREO ULS 9 TBN are premium diesel engine oils designed for use in Electro-Motive (EMD) and General Electric (GE) engines manufactured for railroad, marine and stationary power generation applications.

PURAMAX RREO ULS 9 TBN oils utilize premium quality high viscosity index paraffinic base oils. A new unique additive system designed for lower sulfur diesel fuel includes increased levels of detergents and dispersants. Also contains anti-wear/EP agent, antioxidant, corrosion inhibitor and foam suppressant additives. Multi-grades are formulated with a shear stable VI improver to provide better flow and lubrication at lower temperatures. Product does NOT contain zinc compound derivatives and is non-chlorinated.

APPLICATIONS
Recommended for use in General Motors Electro-Motive Division (EMD), Caterpillar, General Electric and other diesel engines utilizing Low Sulfur Diesel (LSD) and Ultra Low Sulfur Diesel (ULSD) fuels.

FEATURES AND BENEFITS
• Superior anti-wear protection
• Zinc free formulation to protect silver bearings
• Helps maximize engine cleanliness
• Excellent shear stability and oxidation control for longer oil and filter life
• Reduced sludge and piston deposit formulation

RECOMMENDED PERFORMANCE SPECIFICATIONS
• Railroad locomotive Engines: GE Generation 4 LL, LMOA Generation 5 & 6
• Compatible with earlier generation EMD and GE Engines
• Caterpillar, ALCO and Fairbanks-Morse
• Diesel Engines operating on lower sulfur distillate-fuel with a sulfated ash of 1%
• API CF and obsolete CD

PURAMAX RREO ULS 9 TBN Typical Characteristics			
SAE Grade	*ASTM-D*	*SAE 40*	*SAE 20W-40*
Gravity, °API	1298	27.2	30
Viscosity cSt @ 40°C	445	152	125
Viscosity cSt @ 100°C	445	14.8	14.5
Viscosity Index	2270	96	120
Flash Point, °C (°F)	92	232(450)	224(435)
Pour Point, °C (°F)	97	-18(0)	-26(-15)
TBN	2896	9.0	9.0
Sulfated Ash, Wt.%	874	1	1
Zinc, Wt, ppm		<10	<10
Appearance	Visual	Clear	Clear

Minor variations in test data are to be expected in normal manufacturing