

D-A RREO 7™ SAE 20W-40



Product Description

D-A RREO 7™ SAE 20W-40 is designed to meet the stringent performance requirements of new / remanufactured Tier 4 locomotives utilizing ULSD (ultra-low sulfur diesel) and operating under more severe conditions with less oil consumption and lower emissions. It offers reduced SAPS (sulfated ash, phosphorous and sulfur), advanced detergency and dispersancy technology and increased yellow metal and anti-wear protection critical to satisfactory operation and long component life of exhaust after treatment devices (particulate filters and oxidation catalysts). In addition, it affords enhanced alkalinity (TBN) retention and oil consumption reduction characteristics.

Product Features and Benefits

LMOA Generation 7

Specifically designed for use in medium-speed two-cycle and four-cycle diesel engines such as those typically employed in railroad locomotives, certain marine and stationary diesel engine applications.

Backwards compatibility and increased benefits to older model EMD and GE engines when combined with used oil trend analysis and condition-based monitoring.

For use in a wide variety of locomotive applications including 'legacy' models (Detroit Diesel, ALCO, Fairbanks Morse).

Typical Applications

D-A RREO 7™ SAE 20W-40 supports the performance requirements for medium speed two-cycle and four-cycle diesel engines, including:

Detroit Diesel
ALCO
Fairbanks Morse

Approvals and Specifications

Locomotive Maintenance Officers Assoc. (LMOA) Generation 7

OEM Approvals

Progress Rail Internal Listing
General Electric LMOA Generation 7 including Tier IV emission levels

Typical Properties

SAE Viscosity Grade	J300	20W-40
Viscosity @ 100°C, cSt	ASTM D445	15.1
@ 40°C, cSt	ASTM D445	137.5
Viscosity Index	ASTM D2270	112
Pour Point, °F (°C)	ASTM D97	-17 (-27)
Flash Point, °F (°C)	ASTM D92	446 (230)
Sulfated Ash, Weight %	ASTM D874	1.15
TBN	ASTM D2896	11
CCS @ -15°C, cP	ASTM D5293	6900
(SAE Grade Maximum: 20W = 9500)		
Zinc, ppm (max)	Method 16	10

D-A Part Number:

Bulk 51261
Tote – 330 Gal 51263
Drum – 55 Gal 51262