



# Relyant<sup>®</sup>

## EMD/TRANS ENGINE OIL MARINE/RAILROAD & INDUSTRIAL [11 TBN]

### Typical Properties

SAE Grade		
Engine Class	40	20W40
Viscosity, cSt		
At 40 C	145	142
At 100 C	14.5	15.5
Viscosity Index	98	112
Flash Point, (COC) Deg F	450	450
Pour Point, Deg F	0	0
TBN, ASTM D 2896	11	11
Ash, %wt.-Sulfated	1	1
Zinc Content, ppm	<10	<10
Gravity, API @ 60 F	29	29.1

The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

Outstanding high-dispersancy, high-alkalinity crankcase oil for railroad and marine diesel engines. SAE 40 is compounded from high quality base Oils to reduce hard carbon deposit formation in the ring belt area to minimize port blocking in 2-stroke cycle diesel engines. This oil contains detergent, dispersant, anti-wear, anti-oxidant, corrosion inhibitor, and foam-suppressant additives. The additive system used does NOT contain 'zinc-compound' derivatives.

### APPLICATIONS

Recommended for use in Electro-Motive Division of General Motors Corporation (EMD), Caterpillar, General Electric, and other diesel engines operating on Lowe and ULSD fuel. This product meets or exceeds the GE Tier 4, Tier 3, Tier 2+, Tier 1+ and Tier 0+ locomotives, LMOA Gen 7, and is suitable for use in a wide range of railroad, inland /coastal marine and stationary applications including vintage engine makes and models (e.g. Detroit Diesel, ALCO, and Fairbanks Morse).