

# THRIVE® Diesel High Performance Railroad Oil

## Tier 3 Locomotive Engine Oil

### Description

**THRIVE® Diesel High Performance Railroad Oils** are advanced formula Medium Speed Diesel Engine Oils designed to meet the stringent requirements of late model EMD and GE engines. **THRIVE® Diesel High Performance Railroad Oils** are formulated to address emerging fuel and emission standards in a wide range of railroad, inland marine, and stationary engine applications.

**THRIVE® Diesel High Performance Railroad Oils** have enhanced oxidation and thermal stability and improved yellow metal wear protection. Their formulations have been optimized to reduce ash content and incorporate advanced dispersant technology.

**THRIVE® Diesel High Performance Railroad Oils** meet or exceed the LMOA Gen V and GE GEN 4LL requirements. These oils are designed to be non-chlorine and non-zinc containing.

**THRIVE® Diesel High Performance Railroad Oil 20W-40** is approved for use in EMD 567, 645, and 710 engines and in GE diesel engines requiring LMOA Generation 6 lubricating oil.



### Features/Benefits

- Enhanced Oxidation and Thermal Stability
- Optimized Formulations to Reduce Ash Content
- Advanced Dispersant Technology
- Improved Engine Cleanliness (Piston and Top Deck)
- Longer Oil and Filter Life (when used in conjunction with a used engine oil analysis program)
- Improved Yellow Metal Protection

### Physical and Chemical Properties

	THRIVE® Diesel High Performance Railroad Oil SAE 40	THRIVE® Diesel High Performance Railroad Oil SAE 20W40
Product Number	103	522
SAE	40	20W-40
Viscosity @ 40°C cSt	150	140
Viscosity @ 100°C, cSt	15	15.5
Viscosity Index	100	114
CCS cP @ -15°C	NA	9500 Max
TBN	9.2	9.2
Ash % wt.	1	1
Calcium, ppm	3000	3000
Zinc, ppm	<10	<10