

## ADVANTAGE SILVER LINE RAILROAD ENGINE OILS

### OVERVIEW

ADVANTAGE GEN 7 SILVER LINE RAILROAD ENGINE OILS are formulated to meet the latest Tier IV air quality requirements for railroad locomotive engines. These superior quality, low ash, heavy-duty crankcase oils are designed for railroad locomotive, marine, and other stationary diesel engines in high output service.

### FEATURES & BENEFITS

ADVANTAGE GEN 7 SILVER LINE RAILROAD ENGINE OILS are available in SAE 40 and 20W-40 viscosity formulations and are fully backwards compliant to older EMD and GE model year engines. Offering a reduction in harmful metallic elemental chemistry while still boosting product alkalinity, ADVANTAGE GEN 7 SILVER LINE RAILROAD ENGINE OILS are suitably equipped to handle modern emission reduction technology and increased lubricant loading. Our non-zinc and non-chlorinated formula is designed for silver bearing protection and reduced consumption (SAE 20W-40 grade), as well as deposit and particulate control.

### APPLICATIONS

ADVANTAGE GEN 7 SILVER LINE RAILROAD ENGINE OILS are designed specifically for modern and classic railroad locomotive engines, marine engines, and other diesel engines that require a zinc-free additive system.

### SPECIFICATIONS

LMOA GENERATION 7 • ELECTRO-MOTIVE DIESEL (EMD) • GENERAL ELECTRIC (GE) • EPA TIER IV

#### TYPICAL PROPERTIES

Product Code	703	710
SAE Viscosity	40	20W-40
Viscosity, cSt @ 40°C	141.1	149.0
Viscosity, cSt @ 100°C	14.5	15.1
Viscosity Index	101	101
Pour Point, °C	-9	-9
Flash Point, COC °F	268 (515)	268 (515)
Color	6.5	6.5
TBN	11	11
Chlorine wt. %	<0.0005	<0.0005
Zinc wt. %, max.	0.0010	0.0010
Calcium wt. %	.3340	.3340