

## ADVANTAGE SILVER LINE RAILROAD ENGINE OILS

### Overview

ADVANTAGE SILVER LINE RAILROAD ENGINE OILS are superior quality, low ash gas engine oils designed for railroad locomotive diesel engines, marine diesel engines, and other stationary engines. Formulated with high detergency and Oronite's industry leading OLOA additive system, ADVANTAGE SILVER LINE RAILROAD ENGINE OILS minimize sludge and provide superior oxidation and thermal stability. Our non-zinc and non-chlorinated formula is designed for silver bearing protection and reduced reclamation costs, as well as deposit and particulate control.

### Features and Benefits

ADVANTAGE SILVER LINE RAILROAD ENGINE OILS are available in multiple formulations for application matching. Their zinc-free additive system protects silver bearings while providing superior wear control and engine protection. The high viscosity indexes allow for better oxidation control and shear stability, while maintaining exceptional deposit and particulate control. Offered in a standard 9 TBN formulation for low and ultra-low sulfur fuels, as well as a 13 TBN formulation for applications where more alkalinity is required.

### Applications

ADVANTAGE SILVER LINE RAILROAD ENGINE OILS are designed specifically for railroad locomotive engine, marine engines, and all other engines that require a zinc-free additive system. These oils are officially approved for use against LMOA Generation V, EMD Pointers Listing, and GE Generation VI Longlife specifications.

### Recommended For Applications

LMOA Generation V • EMD Pointers Listing • GE Generation VI Longlife

### Typicals

PRODUCT CODES	704	705
Specific Gravity @ 60 F	0.8833	0.8833
Viscosity, cSt/40 °C	141	141
Viscosity, cSt/100 °C	14.5	14.5
Viscosity Index	101	101
Density lbs/gal @ 60 F	7.47	7.47
Pour Point, °C	-9	-9
Flash Point, COC °F	268 (515)	268 (515)
Color	6.5	6.5
TBN	9.0	13.0
Chlorine	<0.00005	<0.00005
Zinc wt %	<0.00001	<0.00001