



SUNOCO ZF ENGINE OILS

OVERVIEW

SUNOCO ZF ENGINE OILS are superior quality lower ash gas engine oils designed for use in railroad locomotive diesel engines, marine diesel engines, and other similarly designed stationary engines. Formulated with high detergency and Oronite's industry leading OLOA additive system, SUNOCO ZF 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 & BENEFITS

SUNOCO ZF 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.

TYPICAL PROPERTIES

Product Code	7043	7063	7053
Total Base Number	9 TBN	9 TBN	13 TBN
SAE Viscosity Grade	40W	20W-40	40W
Viscosity, cSt @ 40 °C	141	149	141
Viscosity, cSt @ 100 °C	14.5	15	14.5
Viscosity Index	101	101	101
Sulfated Ash	1.0	1.0	1.18
Flash Point, °C/°F	268 (515)	268 (515)	268 (515)
Pour Point, °C/°F	-9 (-16)	-9 (-16)	-9 (-16)
Color	6.5	6.5	6.5
Specific Gravity, 15.6 °C	0.893	0.895	0.893
Chlorine, wt %	<0.0005	<0.0005	<0.0005
Zinc, wt%	<0.0001	<0.0001	<0.0001

APPLICATIONS

SUNOCO ZF 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.

SPECIFICATIONS

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