

ONYX 54500

Low Ash Natural Gas Engine Oil Additive Package

DESCRIPTION

ONYX 54500 is a premium low ash natural gas engine oil additive package. It offers improved performance for engines fueled with compressed natural gas (CNG) as well as Biogas. Oils formulated with ONYX 54500 demonstrate improved oxidation & nitration control in addition to outstanding wear and deposit control. ONYX 54500 is recommended for engines.

RECOMMENDED DOSAGE & PERFORMANCE

At a recommended treat rate of 8.1 Wt.%, the finished lubricant meets the performance requirements of following OEMs.

Caterpillar, Waukesha, GE Jenbacher, MWM, MTU, Wartsila, MAN.

PHYSICAL / CHEMICAL CHARACTERISTICS

Parameters	Test Methods	Specifications	Typical Value
Viscosity@ 100°C, cSt	ASTM D445	-	TBR
BN, mgKOH/g	ASTM D2896	min 65	68
Flash Point, °C	ASTM D92	>180	TBR

GENERAL HANDLING INSTRUCTIONS

Neoprene or nitrile rubber gloves and safety goggles should be worn for handling. Maximum handling temperature is 60°C. Material safety data sheet should be consulted for specific information and for information on health and safety.

Temperature Recommendations

Unloading:	Temperature	
Pumping temperature	60°C	140°F
Maximum temperature	70°C	158°F
Storage:		
Maximum temperature for long term storage	45°C	113°F
Blending:		
Max. Base oil temperature for mechanical or in-line mixing	60°C	140°F

Equipment Recommendations

Type of Pump	Positive Displacement
Type of transfer line	Ball lunched, Insulated, Steam Traced Using 107°C/225F Steam Max.
Transfer Line Size	2-3inch/5-8cm.

Heat Source

Type	Steam 107°C/225°F max.
Storage Tank	Suction Heater Recommended

NOTE

If you require further information, please contact your regional Onyx representative.