

ONYX 53000

Automotive Engine Oil Additive Package

DESCRIPTION:

ONYX 53000 is a field-proven engine oil additive system developed for mainstream gasoline and diesel engine lubricants, covering both top-tier and mid-tier API categories. It has excellent detergency, dispersancy and oxidation stability which helps to inhibit oil deterioration and prevent engine wear.

The optimized formulation of ONYX 53000 brings simplicity at the plant and delivers both inventory and logistical cost savings by eliminating the need of booster package.

PERFORMANCE:

When blended with appropriate base stock(s) and viscosity modifiers, the formulated lubricant meets the following performance specifications.

API Specification	Mass %	BN
SN/CF	7.69	10
SM/CF	7.31	9.5
SL/CF-4	6.67	8.6
SL/CF	5.9	7.6
SJ/CF	5.31	7

PHYSICAL / CHEMICAL CHARACTERISTICS*

Parameters	Test Methods	Specifications	Typical Value
Viscosity@ 100°C, cSt	ASTM D445	Report	70
BN, mgKOH/g	ASTM D2896	min 120	129
Flash Point (PMCC), °C	ASTM D93	>160	Report

*The above characteristics are provided to indicate the typical values measured on the product.

GENERAL HANDLING INSTRUCTIONS:

Neoprene or nitrile rubber gloves and safety goggles should be worn for handling. 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	70°C	158°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.