

ONYX 57500

Automotive Engine Oil Additive Package

DESCRIPTION

ONYX 57500 is a Mid-SAPS crankcase oil additive package which meets the stringent performance requirements of ACEA C3 and API SN. ONYX 57500 is specially recommended to be used in formulations of high performance gasoline and light duty diesel engine oils where advanced aftertreatment systems such as Diesel Particulate Filters (DPFs) and Three Way Catalysts (TWC) are used.

RECOMMENDED DOSAGE & PERFORMANCE

At a recommended treat rate of 8.0 Wt.%, the finished lubricant meets the following performance requirements in SAE 10W-30, 10W-40, 5W-30 and 5W-40 viscosity grades.

- ACEA C3
- API SN

PHYSICAL / CHEMICAL CHARACTERISTICS

Parameters	Test Methods	Specifications	Typical Value
Viscosity@ 100°C, cSt	ASTM D445	Report	65
BN, mgKOH/g	ASTM D2896	min 80	92
Calcium, % Wt.	ASTM D4951	1.80 – 2.70	2.25
Zinc, % Wt.	ASTM D4951	0.85 – 1.23	1.04
Phosphorus, % Wt.	ASTM D4951	0.88 – 1.0	0.93
Molybdenum, ppm	ASTM D4951	min 500	600
Nitrogen, % Wt.	ASTM D5291	min 0.95	1.25
Sulfated Ash, % Wt.	ASTM D874	< 10	9.3
Flash Point, °C	ASTM D92	Report	200
Specific Gravity @15.6 °C	ASTM D1298	Report	0.979

GENERAL HANDLING INSTRUCTIONS:

Neoprene or nitrile rubber gloves and safety goggles should be worn for handling. Maximum handling temperature is 65°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	60°C	140°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