

ONYX 39000

Four-Stroke Motorcycle Engine Oil Additive Package

DESCRIPTION

ONYX 39000 is an additive package for four-stroke motorcycle engine oils meeting API SN and JASO MA2 (T903:2016) performance levels. It provides superior wear and oxidation/nitration control in motorcycle engines. ONYX 39000 is suitable for use in both air-cooled and liquid-cooled 4-stroke motorcycle engines.

RECOMMENDED DOSAGE & PERFORMANCE

At a recommended treat rate of 6.6 Wt.%, the finished lubricant meets the following performance requirements in SAE 0W-30, 0W-40, 5W-30, 5W-40, 10W-30, 10W-40, 15W-40, 15W-50, 20W-40 and 20W-50 viscosity grades.

- API SN
- JASO MA2

PHYSICAL / CHEMICAL CHARACTERISTICS

Parameters	Test Methods	Specifications	Typical Value
Viscosity@ 100°C, cSt	ASTM D445	Report	60
BN, mgKOH/g	ASTM D2896	min 80	90
Calcium, % Wt.	ASTM D4951	2.17 – 3.20	2.72
Zinc, % Wt.	ASTM D4951	1.39 – 2.0	1.74
Phosphorus, % Wt.	ASTM D4951	1.22 – 1.80	1.62
Molybdenum, ppm	ASTM D4951	min 1500	1800
Nitrogen, % Wt.	ASTM D5291	min 0.53	0.66
Flash Point, °C	ASTM D92	Report	200
Sulfated Ash, %Wt.	ASTM D874	max 18	12.5
Specific Gravity @15.6 °C	ASTM D1298	Report	1.00

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