

ONYX 53200

Automotive Engine Oil Additive Package

DESCRIPTION

ONYX 53200 is a Full-SAPS crankcase oil additive package designed to formulate Upper Mainline lubricants meeting ACEA A3/B4 performance requirements for gasoline and light duty diesel engines. ACEA A3/B4 lubricants are typically used in newer vehicles as they provide the minimum performance demanded by many OEM specifications.

RECOMMENDED DOSAGE & PERFORMANCE

At recommended treat rates, the finished lubricants meet the following performances.

15W-40 (HTHS >3.5 cP) 8.5% API SN/CF ACEA A3/B4-21	10W-40 (HTHS >3.5 cP) 8.5% API SN/CF SAE A3/B4-21	0W-30 (HTHS >3.5 cP) 8.5% API SL/CF ACEA A3/B4-21
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5W-30 (HTHS >3.5 cP) 8.5% API SL/CF ACEA A3/B4-21	5W-30 (HTHS >2.9 cP) 9% API SL/CF ACEA A5/B5-21	5W-40 (HTHS >3.5 cP) 8.5% API SN/CF ACEA A3/B4-21
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PHYSICAL / CHEMICAL CHARACTERISTICS

Parameters	Test Methods	Specifications	Typical Value
Viscosity@ 100°C, cSt	ASTM D445	Report	65
BN, mgKOH/g	ASTM D2896	Min 120	135
Flash Point, °C	ASTM D92	Report	200

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

NOTE

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