

ONYX 55000

Passenger Car & Diesel Engine Oil Additive

DESCRIPTION

ONYX 55000 is a multifunctional performance package that has been developed for the formulation of premium quality "Full SAPS" passenger car lubricants. It is a core package that contains the key building blocks necessary to formulate a wide range of engine oils. ONYX 55000 provides improved high temperature deposit build up protection for pistons and turbochargers and stringent sludge control.

PERFORMANCE

When blended with appropriate base oils and viscosity modifier, the lubricant meets the following performance profiles.

Weight Treat 10.7 Wt.%

API SN/CF
ACEA A3/B4-08
MB 229.1
VW 501 01/505 00

Weight Treat 11.24 Wt.%

API SN/CF
ACEA A3/B4-08
MB 229.3
VW 502 00/ 505 00
RN 710/700

Weight Treat 12 Wt.%

API SN/CF
ACEA A3/B4-08
MB 229.3
PORSCHE A40
VW 502 00/ 505 00
RN 710/700

Weight Treat 13.3 Wt.%

API SN/CF
ACEA A3/B4-08
MB 229.3, MB 229.5
BMW LL-01
PSA B71 2296
PORSCHE A40
VW 502 00/ 505 00
Ford WSS-M2C937-A
RN 710/700

PHYSICAL / CHEMICAL CHARACTERISTICS

Parameters	Test Methods	Specifications	Typical Value
Viscosity@ 100°C, cSt	ASTM D445	60 - 160	Report
BN, mgKOH/g	ASTM D2896	min 74	75
Calcium, %Wt.	ASTM D4951	2.10 – 2.47	2.29
Zinc, %Wt.	ASTM D4951	0.74 – 1.01	0.87
Phosphorus, %Wt.	ASTM D4951	0.60 – 0.84	0.74
Nitrogen, %Wt.	ASTM D5291	0.50 – 0.90	0.68
Sulfated Ash, %Wt.	ASTM D874	Report	9

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	3inch/8cm. min.

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.