

TECHNICAL PRODUCT SHEET

MAX PRIME

10W, 20W, 30, 40, 50



DESCRIPTION

MAX PRIME are high performance monograde lubricants formulated with special additives and highly refined base oils to offer protection against sludge and deposits formation, while they retain their alkalinity reserves even with fuel containing high sulfur levels. MAX PRIME series provides excellent performance in both diesel and gasoline 4-stroke engines.

APPLICATIONS

MAX PRIME oils are recommended for turbocharged or naturally aspirated engines operating on high sulfur diesel fuel. Suitable for on-/off-highway applications requiring an API CF-2 level quality oil, they are also ideal for static engines used for power generation in marine applications. They are also suitable for mobile air compressors where oil with detergent properties is required. The series is widely used in heavy duty transmission applications and hydraulic systems where Caterpillar TO-2 and Allison C-4 specifications are recommended.

SPECIFICATIONS

ACEA	E2	MB	228.0
API	CF	ALLISON	C-4
API	CF-2	MTU	Cat. 1
API	SJ	CATERPILLAR	TO-2
MAN	270		

PROPERTIES

Outstanding oxidation resistance and strong lubricant dispersancy ensure reliable performance, while excellent viscosity retention, superior rust and corrosion protection, and high alkalinity (TBN) provide durable, stable operation in demanding high-temperature conditions.

BENEFITS

MAX PRIME series delivers excellent performance across all operating temperatures, preventing sludge and varnish formation while enhancing engine cleanliness. It ensures smooth operation under harsh conditions, maximizes engine life, and provides superior protection against corrosive byproducts generated during fuel combustion.



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PHYSICAL-CHEMICAL CHARACTERISTICS

MAX PRIME	METHOD	SAE 10W	SAE 20W	SAE 30	SAE 40	SAE 50
Density at 15°C, g/cm ³	ASTM D4052	0.853	0.875	0.885	0.887	0.894
Dynamic viscosity, °C/cP	ASTM D5293	-25°C /6,500	-15°C /5,000	-	-	-
Viscosity, Kinematic (cSt) 100°C	ASTM D445	6.2	8.5	12.1	14.5	19.5
Viscosity, Kinematic (cSt) 40°C	ASTM D445	38.0	63.0	109.0	144.0	231.0
Viscosity index	ASTM D2270	110	106	100	99	96
TBN, mgKOH/g	ASTM D2896	8.6	8.6	8.6	8.6	8.6
Flash point, COC, °C	ASTM D92	210	218	237	246	260
Pour point, °C	ASTM D97	-30	-27	-24	-21	-18

The abovementioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

