

Americas CORE™ Group I base stocks



ExxonMobil CORE base stocks are designed to offer broad blending coverage with performance capabilities in applications ranging from engine oils to industrial lubricants.

Americas CORE base stocks constitute a slate as defined within API/ATIEL Guidelines for the formulation and qualification of automotive lubricants.

With base oil interchange and viscosity-grade read-across capabilities, ExxonMobil's Americas CORE base stock slate provides broad coverage, enabling supply chain flexibility and simplified qualification testing requirements. ExxonMobil follows rigorous processes to ensure reliable delivery of consistent, quality base stocks so customers can be confident in their supply.



(a) In lieu of standard test method, alternate test methods may be used for the certification of a product property.
 Note 1: Products are certified on release to meet the values specified. Actual values may deviate within the established reproducibility of the test method specified.
 Note 2: For purpose of determining conformance with specification, observed or calculated values shall be rounded off to the nearest unit in the last significant digit used in expressing the limiting value in accordance with the ASTM E29 method.

Health and Safety
 Detailed health and safety information for this product is provided in the material safety data sheet (MSDS), available upon request through your local sales representative or from www.ExxonMobil.com.

All products may not be available in all countries. Every care has been taken in the preparation of this information. Typical values may vary within modest ranges, and specifications may be subject to change. To the extent permitted by applicable law, all warranties and/or representations, express or implied, as to the accuracy of the information are disclaimed, and no liability is accepted for the accuracy or completeness of the same.

Key benefits

Base oil interchange and viscosity-grade read-across provide:



Broad blending coverage



Supply chain flexibility



Simplified qualification testing requirements

Sales specifications and availability

Sales specifications			Americas CORE™ 100	Americas CORE™ 150	Americas CORE™ 600	Americas CORE™ 2500
Property	Limits	Standard method (a)				
Appearance		Visual	Clear and bright	Clear and bright	Clear and bright	Clear and bright
ASTM colour	Max	ASTM D1500	1.5	1.5	4.0	6.0
CCS viscosity -25°C mPa•sec	Max	ASTM D5293	1650			
CCS viscosity -20°C mPa•sec	Max	ASTM D5293		2100		
Flash point, COC Deg C	Min	ASTM D92	194	210	246	294
Kinematic viscosity @ 40°C mm2/sec	Min-Max	ASTM D445	18.5-21.0	29.0-32.0	109.0-116.0	
Kinematic viscosity @ 100°C mm2/sec	Min-Max	ASTM D445				30.6-32.7
NOACK Volatility, wt%	Max	ASTM D5800	30	20		
Pour point, Deg C	Max	ASTM D97	-18	-15	-6	-6
Viscosity index	Min	ASTM D2270	95	95	95	95
Availability			Americas CORE™ 100	Americas CORE™ 150	Americas CORE™ 600	Americas CORE™ 2500
Americas			■	■	■	■

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