ALTUM™ Base Stocks

ALTUM™ base stocks by ExxonMobil are engineered to deliver high performance across a wide range of finished lubricant applications. As a full API and ATIEL recognized Group III slate, ALTUM™ base stocks support streamlined formulation and qualification through base oil interchange and viscosity grade read-across capabilities.

With broad coverage across key viscosity grades, ALTUM™ base stocks help lubricant manufacturers enhance supply chain flexibility, reduce formulation complexity, and minimize testing requirements.

Backed by ExxonMobil's rigorous manufacturing standards, ALTUM™ base stocks offer consistent quality and dependable supply, giving customers confidence in every blend.



Key Benefits

ALTUM™ base stocks deliver qualities that enable our customers to produce high performance blends. Key features include:

- Tightly controlled volatility and viscosity index (VI) specifications
- Strong low-temperature performance and oxidative stability
- Specifications to meet passenger and heavy-duty engine oil, and driveline quality requirements

ALTUM™ Group III Base Stocks Slate Explained

Specifications				
Property	Standard Method[1]	Limits	**ALTUM 4**	**ALTUM 6**
ASTM color	ASTM D1500	Max	**L0.5**	**L0.5**
Appearance	Visual	-	**Clear and Bright**	**Clear and Bright**
Cold-Cranking Simulator, Apparent Viscosity @ -35 C, mPa.s	ASTM D5293	Max	**3,000**	**10,000**
Flash Point, Cleveland Open Cup, °C	ASTM D92	Min	**200**	**210**
Kinematic Viscosity @ 100 C, mm^2/s	ASTM D445	Min-Max	**4.1-4.4**	**5.9-6.3**
Noack Volatility, mass %	ASTM D5800 MET B	Max	**15.0**	**7.5**
Pour Point, °C	ASTM D97	Max	**-18**	**-18**
Viscosity Index	ASTM D2270	Min	**120**	**122**

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 to the ASTM E 29 method

[1] In lieu of standard test method, alternate test methods may be used for the certification of a product property.

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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