

# EHC™ Group II base stocks after completion of Rotterdam and Singapore projects in 2019

**ExxonMobil**

EHC™ base stocks comprise a global Group II slate as defined within API/ATIEL guidelines for formulation and qualification of automotive lubricants. With base oil interchange and viscosity grade read-across capabilities, EHC base stocks offer broad coverage that enables supply chain flexibility and simplified qualification testing requirements. EHC base stocks may also be used in industrial and marine applications where formulations benefit from increased oxidation stability and higher viscosity index (VI). Our rigorous processes ensure reliable delivery of consistent quality base stocks.

## Key benefits

Consistent quality to help formulators produce high-performance blends that:



Meet or exceed  
industry  
requirements



Achieve exceptional  
oxidation stability



Meet or exceed  
engine oil quality  
requirements

Energy lives here™

## Sales specifications after completion of Rotterdam and Singapore projects in 2019

Sales specifications			EHC 45	EHC 50	EHC 65	EHC 110	EHC 120
Property	Limits	Standard method (a)					
Appearance		Visual	Clear and bright	Clear and bright	Clear and bright	Clear and bright	Clear and bright
ASTM color	Max	ASTM D1500	L0.5	0.5	L0.5	0.5	0.5
CCS viscosity -25°C mPa•sec	Max	ASTM D5293	1550				
CCS viscosity -20°C mPa•sec	Max	ASTM D5293		1500	3100		
Flash point, COC Deg C	Min	ASTM D92	204	210	214	230	255
Kinematic viscosity @ 100°C mm2/sec	Min-Max	ASTM D445	4.4-4.7	5.2-5.6	6.3-6.6	10.0-12.0	11.1-12.7
Noack Volatility, Procedure B, mass%	Max	ASTM D5800-PROB	15	13.5	10		
Pour point, Deg C	Max	ASTM D97	-18	-18	-18	-15	-15
Viscosity index	Min-Max	ASTM D2270	113-119	110-119	103-109	95-110	105-115

Availability	EHC 45	EHC 50	EHC 65	EHC 110	EHC 120
Americas	■		■		■
Europe, Africa, Middle East		■			■
Asia/Pacific		■		■	

(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 to the ASTM E 29 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](http://www.ExxonMobil.com).

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[exxonmobil.com/basestocks](http://exxonmobil.com/basestocks)

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