



## EHC

### Product Description

EHC base stocks by ExxonMobil are designed for performance capability in automotive lubricants. With base oil interchange and viscosity grade read-across capabilities, ExxonMobil's EHC base stock slate offers 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 base stock supply. EHC base stocks by ExxonMobil comprise a global Group II slate as defined within API and ATIEL guidelines for formulation and qualification of automotive lubricants.

EHC base stocks by ExxonMobil may also be utilized in Industrial and Marine applications where formulations benefit from the increased oxidation stability and higher VI.

### Features and Benefits

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

- Tightly controlled volatility and viscosity index (VI) specifications enabling formulations to meet or exceed API, ACEA and ILSAC (GF-5) requirements
- Targeted saturates levels to provide optimum additive solubility
- Exceptional oxidation stability
- Product specifications that enable formulators to meet or exceed passenger and heavy-duty engine oil quality requirements.

### Sales Specifications

		EHC 45	EHC 50	EHC 60	EHC 110
Property	Limits	Standard Method (a)			
Appearance		Visual	Clear & Bright	Clear & Bright	Clear & Bright
ASTM Color	Max	ASTM D 1500 L0.5	0.5	L0.5	0.5
CCS Viscosity -25°C mPa•sec	Max	ASTM D 5293 1700			
CCS Viscosity -20°C mPa•sec	Max	ASTM D5293	1700	2500	
Flash Point, COC Deg C	Min	ASTM D 92 204	210	214	230
Kinematic Viscosity@ 100°C mm <sup>2</sup> /sec	Min-Max	ASTM D 445 4.4-4.7	5.2-5.6	5.8-6.2	10.0-12.0
NOACK Volatility, wt%	Max	ASTM D 5800 15	15	9	
Pour Point, Deg C	Max	ASTM D 97 -18	-15	-18	-12
Viscosity Index	Min-Max	ASTM D 2270 113-119	110-119	110-119	95-119

(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)

ExxonMobil, the ExxonMobil logotype and EHC are trademarks of Exxon Mobil Corporation or one of its subsidiaries.

9-2011

ExxonMobil  
3225 Gallows Road  
Fairfax, VA 22037-001

1-800-662-4592

<http://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.

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names which include Esso, Mobil, Exxon, or ExxonMobil. For convenience and simplicity, the term ExxonMobil may be used to represent all of these entities, and the products and services provided by those entities. Nothing in this brochure is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with local ExxonMobil-affiliated entities.

Copyright © 2001-2013 Exxon Mobil Corporation. All rights reserved..