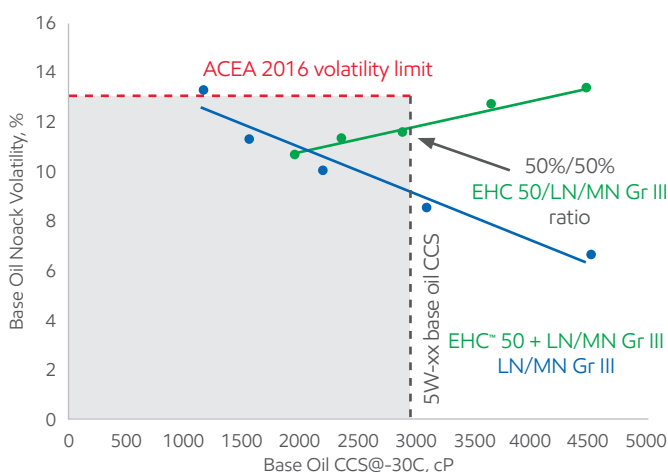


ExxonMobil EHC™ Group II/II+ base stocks offer advantages in PCMO formulations

It all begins with the design of our base stocks, which are engineered to enable high-performing lubricants.

EHC™ 50 base stocks are well designed to formulate "short claim" SAE 5W-XX oils.*

Example
5W-XX oils

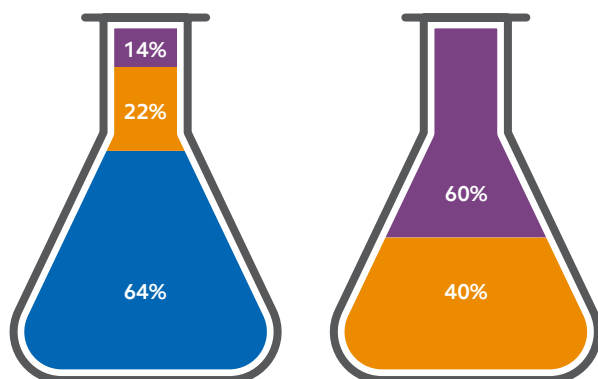


Potential to reduce Group III use by up to

64%*

Example
5W-XX oils

SAE 5W-30 ACEA C3 MB 229.31



■ EHC 50 ■ Group III LN ■ Group III MN

EHC™ 50 enables advantaged formulations for low volatility performance.†

*ExxonMobil only guarantees the product specifications of its base stocks as defined in the contractual product specifications. The data information provided is derived from existing data on our products generally, and is not specific to a product batch supplied to your company. Such information is not necessarily indicative of future production, does not form part of the contractual product specifications, and may be subject to change without notice.

†Dependent on additive chemistry and formulation approvals. ExxonMobil estimates with applicable additive packages. External factors, such as price and quality variation, VM diluent oil, etc. may cause deviations from these estimates; they are intended to be starting points for formulation evaluations. Lubricant Blender is responsible for obtaining appropriate approvals and licensing of all formulations.

ExxonMobil EHC™ Group II/II+ base stocks offer advantages in PCMO formulations

Example
10W-40 oils

Base oil properties for SAE 10W-40 ACEA A3/B4 lubricant

	EHC™ 50/120	LN+MN Gr II/Gr III
KV @ 100°C, cSt (ASTM D445)	5.8	5.7
VI (ASTM 2270)	112	111
CCS @ -25°C, cP (ASTM D5293)	3091	3182
Noack Volatility, % (ASTM D5800)	10.4	12

For an SAE 10W-40, ACEA A3/B4 lubricant at equal KV100 and CCS @ -25°C.

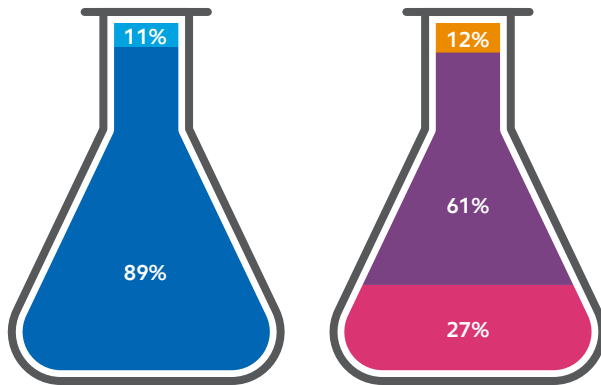
EHC™ Group II/II+ base stocks blend* enables

lower

Noack volatility vs. traditional Group II/Group III base stocks blend.

Example
10W-40 oils

SAE 10W-40 ACEA A3/B4



■ EHC 50 ■ EHC 120 ■ Group II LN ■ Group III MN ■ Group III LN

EHC™ Group II/II+ base stocks enable the formulation of lubricants with

0%

Group III and lower volatility.†

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