

Mobil EAL Arctic™ Series

High-performance, synthetic refrigeration oils



Energy lives here™

Product features

Mobil EAL Arctic™ Series oils are a range of synthetic, high-performance environmentally aware lubricants (EALs) designed specifically to work with a wide range of refrigeration compressors and systems using HFC refrigerants. The lubricants are formulated from proprietary synthesised polyol esters (POEs) and an additive system that provides:

- Outstanding lubricity
- Wear protection
- Chemical and thermal stability
- Hydrolytic stability

Excellent high-temperature stability

Mobil EAL Arctic™ Series lubricants offer high-temperature stability, which can lead to improved evaporator cleanliness. Together with antiwear properties that protect the compressor, these features can help reduce downtime and maintenance costs.

A wide viscosity range

Mobil EAL Arctic Series lubricants are available in ISO viscosity grades 32 to 220, meeting the requirements of a wide range of applications. As they are wax-free, the lubricants have excellent low-temperature fluidity, removing the risk of waxy deposits while improving evaporator efficiency.

Potential benefits

Mobil EAL Arctic Series lubricants offer a range of potential advantages, including:

- 1 Outstanding evaporator cleanliness
- 2 Minimised compressor wear
- 3 High system efficiency
- 4 Reduced unscheduled downtime

Typical properties*

Mobil EAL Arctic Series	32	46	68	100	220
ISO Viscosity Grade	32	46	68	100	220
Viscosity, ASTM D 445					
cSt @ 40°C	34.2	49.2	68.0	105.0	226
cSt @ 100°C	5.8	7.3	8.7	11.6	18.5
Viscosity Index, ASTM D 2270	115	115	95	-	90
Pour Point, °C, ASTM D 97	-48	-42	-36	-30	-21
Flash Point, °C, ASTM D 92	236	230	230	-	290
Specific Gravity @15°C, ASTM D 1298	0.98	0.97	0.96	0.96	0.96

*Typical properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit exxonmobil.com. ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.