

Mobil Gargoyle Arctic SHC™ Series

Refrigeration oils



Energy lives here™

To minimize unscheduled maintenance due to equipment breakdowns, Mobil Gargoyle Arctic SHC™ Series synthetic refrigeration oils are designed to help deliver:

- Enhanced compressor life through excellent antiwear protection
- Long bearing life
- Protection at high and low temperatures

Key benefits



Help minimize maintenance costs through long oil life and drain intervals



Designed to help optimize productivity by enhancing evaporator and system efficiency



Promote long seal life, which can help minimize shaft-seal leakage

Typical properties*

Mobil Gargoyle Arctic SHC 200 Series	224	226E	228	230	234
ISO Viscosity Grade	--	68	100	220	--
Viscosity, ASTM D 445					
cSt @ 40°C	29	69	97	220	399
cSt @ 100°C	5.6	10.1	13.7	25.0	40.0
Viscosity Index, ASTM D 2270	132	136	147	149	150
Pour Point, °C, ASTM D 97	<-54	-51	-45	-39	-39
Flash Point, °C, ASTM D 92	230	266	255	260	280
Specific Gravity 15°C / 15°C ASTM D 1298	0.82	0.83	0.84	0.85	0.85
Foam Test, ASTM D 892, Seq I Tendency/ Stability, ml/ml	10/0	10/0	10/0	10/0	10/0
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100°C	1A	1A	1A	1A	1A

-51°C

Mobil Gargoyle Arctic SHC™ Series oils protect equipment at temperatures as low as -51°C, compared to -36°C in paraffinic alternative

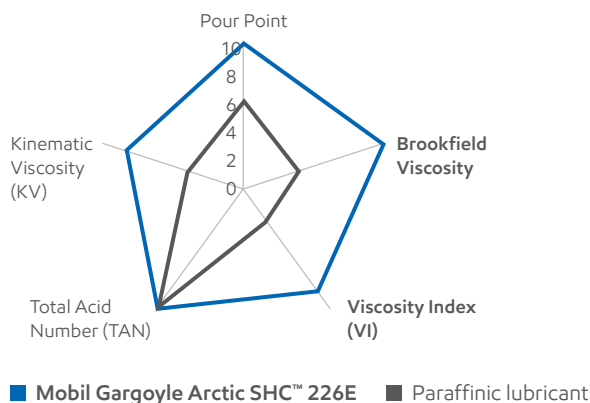
*Typical properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to 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.

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Balanced formulation

Comparison with paraffinic alternative

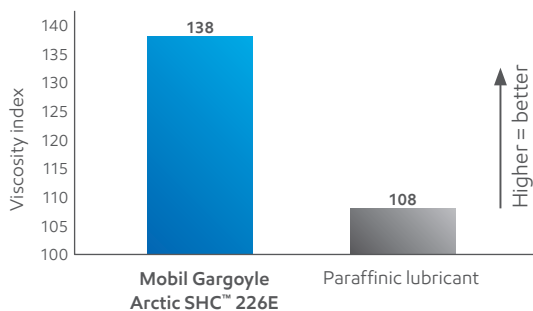
Testing of Mobil Gargoyle Arctic SHC™ 226E refrigeration oil vs. a paraffinic alternative showed superior performance on several key refrigeration lubricant parameters.



Outstanding viscosity for wear protection

Mobil Gargoyle Arctic SHC 226E oil has higher Viscosity Index compared with the competitive oil, indicating higher viscosity at operating temperature and less viscosity change with temperature. This means better wear protection of equipment.

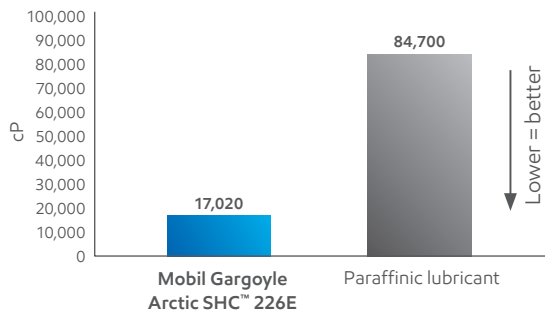
Viscosity Index



Low-temperature performance

With a lower pour point and lower Brookfield Viscosity, Mobil Gargoyle Arctic SHC 226E refrigeration oil offers better low-temperature performance compared with the competitive alternative.

Brookfield Viscosity @ -35C



Kinematic Viscosity — measure of oil thickness.

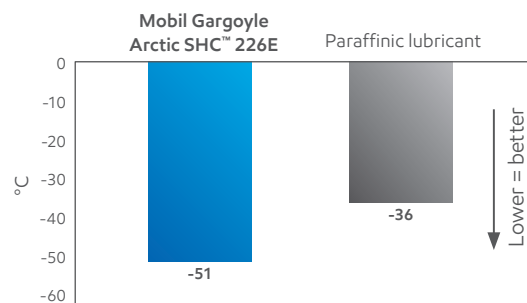
Brookfield Viscosity — measure of oil thickness at low temperatures.

Total Acid Number — acidity of the oil.

Pour Point — low-temperature pourability of the oil.

Viscosity Index — measure of oil viscosity stability as the temperature changes.

Pour Point, °C



Industrial Lubricants



Advancing Productivity™

Safety

Minimized maintenance and the timing between service intervals help you mitigate potential employee risk arising from direct contact with equipment.

Environmental Care*

With extended drain intervals and product life, these lubricants help control your energy consumption, waste oil generation and maintenance-related waste.

Productivity

Equipment protection helps manage your expenses and inventory levels — which can lead to a more efficient operation.

*Visit mobilindustrial.com to learn how certain Mobil-branded lubricants may provide benefits to help minimize environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

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