

Product Data Sheet **Mobil Gargoyle Arctic Oil 155 and 300**

Premium Refrigeration Compressor Oils

Product Description

Mobil Gargoyle Arctic Oil 155 and 300 are high quality and specifically selected mineral oils primarily intended for use in refrigeration compressors. They have excellent fluidity at very low temperatures by virtue of being almost wax-free. Consequently, the use of Mobil Gargoyle Arctic Oil 155 and 300 ensures that evaporator tubes are kept clean to improve heat transfer and so reduce downtime for maintenance. They have a high degree of chemical stability and are suitable both for cylinder and bearing lubrication.

Mobil Gargoyle Arctic Oil 155 and 300 may be used with CFC's (eg. R12), HCFC (eg. R22) and ammonia refrigerants. They have low R-12 Floc Points. The moisture content of Mobil Gargoyle Arctic Oils is very low when the oils are packaged. Every precaution should be taken to keep the oils dry to avoid the formation of ice in expansion valves, and to limit the risks of oil degradation, copper plating, etc.

Benefits

Mobil Gargoyle Arctic Oil 155 and 300 offer the following benefits:

- Very good evaporator heat transfer due to minimum wax formation
- Minimal compressor piston ring and exhaust valve deposits because of good thermal stability
- Low volatility minimizes viscosity variations during service
- Good multimetal and seal compatibility ensures wide application uses.

Application

Mobil Gargoyle Arctic Oil 155 and 300 are recommended for all types of refrigeration equipment such as reciprocating, rotary and screw compressors. Product applications should follow compressors builder's recommendations for lubricant selection. They are suitable for CFC's, HCFC and ammonia refrigerants, but for HFC's (eg. R134A) we recommend the EAL Arctic series.

Health and Safety

Based on available toxicological information, it has been determined that these products pose no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

Mobil Gargoyle Arctic Oil		155	300
	Test Method		
ISO VG		32	68
Viscosity, cSt at 40°C	ASTM D445	31	63.5
Viscosity, cSt at 100°C	ASTM D445	4.4	6.5
Flash Point, °C	ASTM D92	189	202
Pour Point, °C	ASTM D93	-42	-36
R-12 Floc Point, °C	DIN 51351	-51	-44
Colour	ASTM D1500	L1.0	L1.0
Water Content, ppm	ASTM E1064	<50	<50

Due to continual product research and development, the information contained herein is subject to change without notice.

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