

Mobil

Product Data Sheet

Mobil Gargoyle Arctic 155 and 300

Premium Refrigeration Compressor Oils

Product Description

Gargoyle Arctic 155 and 300 are high quality solvent refined straight 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, use of the Gargoyle Arctic 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. Strict limits on volatility ensure that "light end stripping" and "accumulation of heavy ends" are minimized.

Gargoyle Arctic 155 and 300 may be used with all refrigerants except sulfur dioxide. They have low Freon R-12 Flocc Points. The moisture content of these 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

Gargoyle Arctic 155 and 300 offer the following benefits:

- Excellent evaporator heat transfer due to minimum wax deposition
- Long service life because of high chemical stability, leading to less downtime and lower maintenance costs
- Minimal compressor piston ring and exhaust valve deposits because of good thermal stability
- Suitability for the lubrication of both cylinders and bearings reduces oil inventories
- Low volatility minimizes viscosity increase during service

Applications

Gargoyle Arctic 155 and 300 are recommended for cylinder and bearing lubrication in all conventional refrigeration compressors and for all other machinery operating at sub-zero temperatures.

Typical Properties

Mobil Gargoyle Arctic		155	300
Product Code		970656	970554
		Test Method	
ISO VG		32	*
Viscosity	ASTM D445		
	cSt at 40°C	31	54
	cSt at 100°C	4.4	6.5
Specific Gravity	ASTM D1298	0.905	0.910
Flash Point, °C	ASTM D92	189	208
Pour Point, °C	ASTM D97	-42	-36
R-12 Flocc Point, °C	DIN 51351	-51	-44
Water Content, ppm	ASTM E1064	<50	<50
Color	ASTM D1500	L1.0	L1.0

* The ISO VG of this grade lies between ISO VG 46 and ISO VG 68

Health & Safety

Based on available toxicological information, these products produce no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on these products, including Material Safety Data Bulletins, is available on request from your local Mobil company.