

TECHNICAL SPECIFICATION

ALPHA REFRIGERATION OIL 100

Description And Specifications :

Alpha refrigeration oil Series are high performance Environmental Awareness Lubricants designed specifically for the lubrication of refrigeration compressors and systems, using ozone-friendly HFC refrigerants. (HFCs are chlorine-free products replacing chlorine-containing refrigerants in the world market). They are also recommended for carbon dioxide applications, with appropriate miscibility for proper oil return to compressor (typically piston type applications). Formulated from proprietary synthesized Polyol Esters (POEs) and a unique additive system to provide outstanding lubricity, wear protection, chemical and thermal stability, and hydrolytic stability. They are miscible with HFC refrigerants and have well-defined viscosity/temperature/pressure relationships with a widel range of HFCs.

Recommendations :

Alpha refrigeration lubricants are recognised and appreciated around the world for their compatibility with the environment and their excellent performance. Products were designed by our research scientists to complement the new generation of ozone-friendly refrigerants mandated by the Montreal Protocol and succeeding world-wide agreements. Development of these products symbolises our continuing commitment to use advanced technology to provide outstanding lubricant products.

Technical Data Sheet :

REFRIGERATION OILS	TEST METHODS	ISO 100
Density @ 15°C	ASTM D4053	0.967
Flash point °C	ASTM D 92	230
Pour point °C	ASTM D97	-34
KIN.Viscosity @40c	ASTM D7042	96.0
KIN.Viscosity @100c	ASTM D7042	10.6
Viscosity index	ASTM D2270	93
Total acid number mgKOH/g	TAN	0.02

**AT ALPHA ENERGY PETROLEUM INDUSTRIES, WE FOCUS ON CREATING ADVANCED
LUBRICANTS AND LUBRICANT COMPOUNDS THAT ENHANCE MACHINE EFFICIENCY
AND EXTEND SERVICE LIFE.**