

PETROGULF REFRIGERATION COMPRESSOR OIL

PRODUCT DESCRIPTION

Petrogulf Refrigeration Oil series are high performance naphthenic refrigeration compressor oils specially designed to meet the stringent requirements of major refrigeration compressor manufacturers. These oils are formulated with severely hydro treated naphthenic base oils to provide excellent protection against oxidation degradation, rust & corrosion and foaming & entrained air. These oils are specifically designed for refrigeration systems using non-hydrofluorocarbon refrigerants.

FEATURES

- Excellent thermo-oxidative stability controls deposits in evaporator tubes, improves heat transfer and improves oil life resulting in improved equipment reliability, availability and efficiency.
- Free from additives and pour point depressants as these have been known to impair the performance of some refrigeration systems
- Low pour point and floc point ensures smooth operation at low operating temperatures
- Good wear and rust protection results in reduced maintenance costs and longer equipment life.
- Compatible with materials used in the entire refrigeration system.

PERFORMANCE LEVEL

- Large Industrial reciprocating and rotary refrigeration compressors.
 - Marine refrigeration applications line food freezing and cold storage plants
 - Suitable for use with most non-hydrofluorocarbon refrigerant gases, compressors of Carrier, Copeland, Kelvinator, Sabroe, Tecumseh make among others where such quality oils are recommended.
 - Also used in circulating oil systems, plain and rolling element bearings, etc
- NOTE :** These oils are not recommended for use with HFC refrigerants such as R-134a.

TYPICAL PROPERTIES

	Petrogulf Refrigeration Compressor Oil				
ISO GRADE	32	46	55	68	100
Properties	Typical Result				
Specific Gravity, 15°C	0.907	0.910	0.912	0.913	0.915
Flash Point (COC), °C	182	188	190	200	210
Kinematic Viscosity, cSt @ 40°C	32.10	46.20	54.8	68.30	99.7
Pour Point, °C	-44	-39	-36	-36	-33
Total Acid No. mg/KOH/mg	0.01	0.01	0.01	0.01	0.01
Aniline Point	77.60	80.00	81	83.00	86

** These characteristics are typical of current production. Whilst future production will conform to Petrogulf's specification, variations in these characteristics may occur.

HANDLING, HEALTH AND SAFETY

- ❖ Lubricants consisting of highly refined mineral oils with specific additives under normal conditions of use, presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- ❖ Prevent any splashing and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off used oil correctly; don't pour down drains, into water courses or the soil.
- ❖ Take used oil to an authorized collection point.