

## PETROGULF PE COOL OIL

### PRODUCT DESCRIPTION

**Petrogulf PE Cool oil** are high performance fully synthetic refrigeration compressor oils specially designed to meet the stringent requirements of most modern refrigeration and air conditioning systems. These oils are formulated with Polyol Ester base fluids and provide excellent protection against oxidation degradation, wear and rust & corrosion.

### FEATURES & BENEFITS

- Excellent thermo-oxidative stability controls deposits in evaporator tubes, improves heat transfer and improves oil life resulting in improved equipment reliability, availability and efficiency.
- Excellent wear and rust protection result in reduced maintenance costs and longer equipment life.
- Completely wax free and lower pour point prevents blockage and ensures smooth operation.
- Readily biodegradable and can be disposed off through conventional methods.
- Compatible with elastomers commonly used in the refrigeration system.

### APPLICATION

- Mobile air conditioning, domestic refrigeration, residential and commercial air conditioning and heat pump, commercial refrigeration including transport refrigeration, Industrial refrigeration using HFC, CFC/HCFC, Carbon dioxide, HC refrigerants
- Marine refrigeration applications line food freezing and cold storage plants
- Suitable for use with most hydroflouorocarbon refrigerant gases and nonhydroflouorocarbon.

### TYPICAL PROPERTIES

| Petrogulf PE Cool oil   |        |                 |       |       |       |       |       |       |       |
|-------------------------|--------|-----------------|-------|-------|-------|-------|-------|-------|-------|
| API/ISO:                |        | 32              | 46    | 55    | 68    | 100   | 150   | 220   | 320   |
| Test Parameters         | ASTM   | Typical Results |       |       |       |       |       |       |       |
| Viscosity @ 40 °C, cSt  | D 445  | 31.6            | 47.0  | 54.0  | 65.0  | 100   | 148.0 | 220   | 310   |
| Specific Gravity @ 15°C | D 4052 | 0.996           | 0.974 | 0.970 | 0.968 | 0.968 | 0.966 | 0.963 | 0.960 |
| Pour Point, °C          | D 97   | -55             | -48   | -42   | -39   | -33   | -30   | -27   | -27   |
| Flash Point, °C         | D 92   | 250             | 252   | 255   | 256   | 270   | 275   | 280   | 285   |
| Water, ppm              | D 1533 | <100            | <100  | <100  | <100  | <100  | <100  | <100  | <100  |

❖ 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.