

## Puma Refrigeration Compressor Oil 68

Puma Refrigeration Compressor OIL 68 is a premium quality naphthenic based refrigeration compressor fluid designed for refrigeration and air conditioning compressors that displays good chemical and thermal stability in application with commonly applied refrigerants.

- ✓ Oxidation Resistance
- ✓ Thermal Stability
- ✓ Chemical Stable
- ✓ Water Resistance
- ✓ Low Wax

### Designed to Perform

**Puma Refrigeration Compressor oil 68** is a premium quality naphthenic based refrigeration compressor fluid designed for refrigeration and air conditioning compressors that displays good chemical and thermal stability in application with commonly applied refrigerants. The naphthenic base fluids provide gas absorbing tendencies and low carbon formation characteristics in hot applications.

It is blended using highly refined, low pour point oil fluids that present good oxidation, chemical and thermal stability, water separation and low wax crystallisation tendencies. It does not react with most conventional refrigerants and coolants found in refrigeration and air condition compressors.

#### Benefits

The unique blend of base oils and additive technology allow Puma Refrigeration Compressor oil 68 delivers excellent;

- Superior Low temperature fluidity and operational properties make it ideal for refrigeration and air conditioning systems due to low flocculation point.
- Oxidation and Thermal stability in hot applications resisting sludging in system
- Miscibility with refrigerant due to its high solubility levels.
- Electrical insulation properties due to the nature of the base oil blend and good gas absorption levels
- Wax flocculation point avoid wax crystallisation
- Low moisture content allowing it to resist corrosion

#### Application

Puma Refrigeration Compressor oil 68 68 are recommended for all types of compressors; reciprocating and rotary refrigeration compressors in air conditioning or refrigeration systems with chloro-fluorocarbons (CFC's) (R12), ammonia (R717), Hydrochloro-fluorocarbons (HCFC's) (R22), carbon dioxide (CO2) (R744), sulphur dioxide (SO2) or ethylene chloride (C2H4C12) as a refrigerant.

**Note This oil is not suitable for systems containing Hydrofluorocarbons refrigerants (HFC's) (eg HFC 134a).**

### Typical Physical Characteristics

Properties	Test Method	Result
ISO VG	ISO 3448	68
Base Oil	Naphthenic	
Kinematic Viscosity, cSt at 40 °C	ASTM D-445	70
Kinematic Viscosity, cSt at 100 °C	ASTM D-445	7.2
Viscosity Index	ASTM D-2270	39
Density @ 15°C, kg/l	ASTM D-4052	0.92
Flash Point, °C COC	ASTM D-92	200
Pour Point, °C	ASTM D-93	-30

*These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.*

### Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet (SDS) which can be obtained from [pumaenergypng.datasheetdownloads.com](http://pumaenergypng.datasheetdownloads.com) , [sds.pumaenergy.com.au](http://sds.pumaenergy.com.au).

### Protect the Environment

- Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

### Additional Information

- Technical advice on any applications not covered here may be obtained from your Puma Energy Representative.