

# PETRONAS LUBRICANTS

## Pressol LTM Premium Grade Refrigeration Compressor Oils

### Intro

PETRONAS Pressol LTM series are high performance lubricants intended for the lubrication of refrigeration compressors using CFC and Ammonia refrigerant gases.

They are formulated from special naphthenic base oils for their very low pour point, very low floc point, high resistance to oxidation and carbon deposit formation, as well as a chemical and thermal stability to provide excellent performance over long service period and trouble-free operations. PETRONAS Pressol LTM series are available in ISO 22 through ISO 68 viscosity grades.

### Applications

- Recommended for the lubrication of both cylinders and bearings of refrigeration compressors ( reciprocating and vane) of the hermetic domestic type, of industrial unit, or of heat pump systems using all types of refrigerants, e.g., Ammonia, Freon 12, Freon 22, etc except those using SO<sub>2</sub>.
- Not intended for use in refrigeration compressors using the new HFC refrigerant gases such as R-134a and R-23.

### Customer Benefits

- Excellent chemical stability and compatibility - inert with refrigerants and does not attack metals or sealing material when mixed with the refrigerants.
- High thermal stability - minimizes the formation of gum, varnish and sludge deposits to prolong compressor and seal life.
- Outstanding low temperature performance - very low pour point and floc point prevent formation of wax deposits which would plug the refrigeration system and impair its efficiency.
- High dielectric strength to avoid difficulties in compressors where the lubricant comes into contact with the windings of electric motors.

### Product Typicals

| Characteristics            | ISO Viscosity Grade |       |       |       |
|----------------------------|---------------------|-------|-------|-------|
|                            | 22                  | 32    | 46    | 68    |
| Density @ 15 °C, kg/l      | 0.880               | 0.880 | 0.880 | 0.881 |
| Pour Point, °C             | -39                 | -36   | -35   | -35   |
| Flash Point °C             | 174                 | 180   | 190   | 202   |
| Kinematic Viscosity, cSt   |                     |       |       |       |
| @ 40 °C                    | 21.6                | 30    | 46    | 68    |
| Total Acid Number, mgKOH/g | 0.03                | 0.03  | 0.03  | 0.03  |