

Product Data Sheet

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PETRONAS PRESSOL SYN IR

Synthetic Centrifugal Compressor Lubricant

PETRONAS PRESSOL SYN IR SERIES are the original poly alkylene glycol (PAG)/diester blends developed to replace Sullube® 32 and I/R Ultracoolant® respectively. These coolants employ a proprietary additive package specifically formulated for rotary screw compressors operating at high pressure and high temperature.

Applications

Recommended for the lubrication of:

- Oil-flooded rotary compressors (vane, lobe, and screw-type) specified a PAG/Ester lubricant.
- Drop-in replacement for compressors presently using PAG/Ester oils.

Features and Benefits

- High and low temperature operations.
- High viscosity index means less change over wide temperature range.
- Low carbon formation – leaves minimal deposits.
- Low pour point.

Compatibility

PETRONAS PRESSOL SYN IR GOLD is compatible with the following seals and elastomeric materials: Viton, High Nitrile Buna N, Nylon, Delrin, Celcon, PBT, Oil-Resistant Alkyd & Teflon.

PRESSOL SYN IR GOLD should not be mixed with hydrocarbon & petroleum oils.

Typical Properties

Characteristics	IR-32	IR-46
Kinematic Viscosity, cSt		
@ 40 °C	39	48
@ 98.9 °C	7.3	9.0
Viscosity Index	155	172
Flash Point, °C	254	254
Autoignition Temperature, °C	385	385
Pour Point, °C	-48	-45
Foaming characteristics, ml	0-0	0-0
Density, @ 15.6 °C, Kg/L	0.98	0.98

* All technical data is provided for reference only.

Health, Safety and Environment

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HQ technical engineers.