Product Data Sheet
Effective Date 01.08.2014
Version 1.0

PETRONAS PRESSOL SYN CH 220

Synthetic Hydrocarbon Gas Compressor Lubricant

PETRONAS PRESSOL SYN CH 220 is a unique co-polymer of polyalkylene glycols formulated for use in hyper-compressors and natural gas re-injection applications. It features higher film strength than traditional lubricants, protects against corrosion, is fully compatible with most compressor components, and minimizes the effect of H_2S concentrations in sour gas.

PRESSOL SYN CH 220 contains no animal fats or saponifiable products that interfere with well-bore treatment products.

Applications

- Intended for the cylinder lubrication of hyper-compressors and in natural gas re-injection applications.
- May also be used as a cylinder lubricant for reciprocating compressors processing natural gas, carbon dioxide and other gases that require chemical resistance in an ISO 200 viscosity grade.

Features and Benefits

- Resists wash off by hydrocarbon gases and liquids
- Resists absorption into the gas phase and carry-over of the lubricant downstream
- Minimizes dilution effects due to insolubility of the lubricant with hydrocarbons
- Higher film-strength that traditional lubricants
- Protects against corrosion
- Fully compatible with most compressor component materials, including: seals, gaskets, hoses, etc.

Compatibility

PRESSOL SYN CH SERIES is recommended for;

- Acetone
- Asbestos
- Chlorinated Solvents
- Neoprene
- Silicone Rubber
- Torlon (AMOCO)
- Viton (DuPont)
- Alcohol
- Butyl Dioxtol
- Glycol Ether
- Epoxy Paint
- Toluene
- Vespal (DuPont)

PRESSOL SYN CH SERIES is Questionable for;

- Ethylene Glycol
- Water
- Triethanolamine

PRESSOL SYN CH SERIES is Not Recommended for;

- Gasoline
- Heptane
- Leather
- Oil-based paint
- Glycerol
- Kerosene
- Methanol

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Typical Properties

Characteristics	220
Kinematic Viscosity, cSt @ 40 °C @ 100 °C	 215 39.1
Viscosity Index	235
Pour Point, °C	-34
Flash Point, COC, °C	248
Fire Point, °C	276
Density, @ 15.6 °C, Kg/L	1.05
Copper Strip Corrosion, ASTM	1b
Foam Test, Seq 1, ml initial, ml final	0-0

* 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.