

Product Data Sheet

Effective Date 01.08.2014

Version 1.0



PETRONAS

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PETRONAS PRESSOL SYN CH

Synthetic Hydrocarbon Gas Compressor Lubricant

PETRONAS PRESSOL SYN CH SERIES is a synthetic-based lubricant formulated for use in hyper-compressors and natural gas reinjection applications. It features higher film strength than traditional lubricants, protects against corrosion, is fully compatible with most compressor components, and minimizes the effect of H₂S concentrations in sour gas.

PRESSOL SYN CH SERIES 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 than 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
- Alcohol
- Asbestos
- Butyl Dioxtol
- Chlorinated Solvents
- Glycol Ether
- Neoprene
- Epoxy Paint
- Silicone Rubber
- Toluene
- Torlon (AMOCO)
- Vespal (DuPont)
- Viton (DuPont)

PRESSOL SYN CH SERIES is Questionable for;

- Ethylene Glycol
- Triethanolamine
- Water

PRESSOL SYN CH SERIES is Not Recommended for;

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

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Typical Properties

Characteristics	68	100	150
Kinematic Viscosity, cSt			
@ 40 °C	62	92	153
@ 100 °C	10.8	18.6	23.5
Viscosity Index	168	223	196
Pour Point, °C	-48	-40	-34
Flash Point, COC, °C	218	260	260
Fire Point, °C	241	277	282
Density, @ 15.6 °C, Kg/L	0.99	0.99	0.99
Copper Strip Corrosion, ASTM	1b	1b	1b
Foam Test, Seq 1, ml initial, ml final	0-0	0-0	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.