



Formerly Known As: SynLube PGI 220

Shell Gas Compressor Oil S4 PGI 220

High quality Polyalkylene Glycol (PAG) Synthetic fluid for rotary screw gas compressors

Shell Gas Compressor Oil S4 PGI 220 is a high performance, synthetic, natural gas compressor lubricant for use in rotary screw gas compressors demanding minimal hydrocarbon gas dilution of the compressor lubricant. This product is particularly well suited for propane/butane in refrigeration or unloading service.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Minimal viscosity loss during operation**

Shell Gas Compressor Oil S4 PGI 220 is formulated using polyalkylene glycol base stocks which resists viscosity loss due to solubility of the gas in the compressor lubricant.

- **System Performance**

Shell Gas Compressor Oil S4 PGI 220 significantly improves compressor performance over systems operating on traditional mineral oil technology by minimizing sludge and residue formation. The helps to increase the effective lubrication of the compressor and minimizes the changes in viscosity. Shell Gas Compressor Oil S4 PGI 220 also demonstrates extended performance fluid life because of the inherent shear stability of polyalkylene glycol based lubricant.

- Shell Gas Compressor Oil S4 PGI 220 is recommended for use in natural gas compressors and process gas compressors.

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Change-over Procedure

Shell Gas Compressor Oil S4 PGI 220 contains polyalkylene glycols and is not compatible with mineral oils, most synthetic esters, or PAO lubricant types. Care should be taken when changing from such products to Shell Gas Compressor Oil S4 PGI 220.

For more information, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Gas Compressor Oil S4 PGI 220
ISO Viscosity Grade			ISO 3448	220
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	215
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	32.9
Viscosity Index			ASTM D2270	198
Density	@15°C	g/cm ³	ASTM D1298	0.999
Pour Point			ASTM D97	-27
Flash Point			ASTM D92	215
Fire Point (COC)			ASTM D92	300

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

- **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use 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, which can be obtained from <https://www.epc.shell.com>

- **Protect the Environment**

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

Additional Information

- Advice on applications not covered here may be obtained from your Shell Representative.