



Previous Name: Shell Corena K

Shell Gas Compressor Oil S1 P 460

- *Reliable Performance*
- *Hydrocarbon Gas Applications*

Gas Compressor Oil

Shell Gas Compressor Oil S1 P provides reliable performance for cylinder lubrication of reciprocating compressors handling hydrocarbon gas at high pressure. They are compounded with polar or fatty oils which enable the lubricant to resist being washed off cylinder walls by the action of wet air or gas. Shell Gas Compressor Oil S1 P also resists the solvent action of hydrocarbon gases such as propane and butane, as well as certain organic chemicals such as ketones and aldehydes.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Extended maintenance intervals**
Resists wash-off by wet air or gas and chemical solvents to ensure continued lubrication and protection to help reduce wear and maintenance downtime and increase operational availability and efficiency.

- Bearings and machine parts of equipment requiring compounded products
- These oils should not be used to lubricate the running gear or crankcases of compressors as the fatty oil can separate from the lubricant, forming deposits on the surfaces of the crankcase and plugging oil passages.

Main Applications

- Reciprocating compressors having separate cylinder lubrication systems
- Compression of wet air, wet hydrocarbon, natural gas or certain chemically active gases
- Use for pressures below 1000 psi (Shell Gas Compressor Oil S1 P 100, Shell Gas Compressor Oil S1 P 150)
- Pressures above 1000 psi (Shell Gas Compressor Oil S1 P 460)

Specifications, Approvals & Recommendations

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

Compatibility & Miscibility

- **Seal Compatibility**
Shell Gas Compressor Oil S1 P may be used with most common seal and packing materials.

Typical Physical Characteristics

Properties			Method	Shell Gas Compressor Oil S1 P 460
SAE Viscosity Grade				460
Kinematic Viscosity	@40°C	mm ² /s	ISO 3104	413
Kinematic Viscosity	@100°C	mm ² /s	ISO 3104	-
Viscosity Index			ISO 2909	95
Density	@15°C	kg/m ³	ISO 12185	0.901
Flash Point COC			ISO 2592	309
Pour Point			ISO 3016	-9

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**

Shell Gas Compressor Oil S1 P 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 Material Safety Data Sheet, which can be obtained from <http://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**

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