



Formerly Known As: SynLube P12

Shell Corena S6 A 46

- Extended Oil Life
- High temperature applications
- High pressure applications

Top tier rotary air screw compressor lubricant

Shell Corena S6 A is an extended oil life, top tier synthetic lubricant based on polyalkylene glycol (PAG) and pentaerythritol ester technology with next generation additives for rotary screw air compressors. The product helps provide extended oil drain intervals together with varnish formation protection benefits in higher temperature and pressure applications in challenging operations.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Longer oil life**

Shell Corena S6 A can provide oil change intervals up to 10,000- 12,000 hours where allowed by equipment manufacturer, maintenance service intervals, operating conditions, and environmental conditions).

The product is able to protect when exposed to elevated temperatures for extended periods of time.

- **High Temperature Protection**

Shell Corena S6 A is designed to withstand high temperatures that can help resist thermal degradation to protect critical compressor components and lower total cost of ownership.

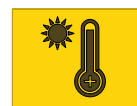
- **Top Tier Varnish and Sludge Control**

Shell Corena S6 A offers top tier resistance to varnish and sludge formulation from its inherently oxidatively stable base fluids and next generation additives.

- **Excellent system efficiency properties**

Shell Corena S6 A offers a high flash point, low pour point, and low carry over tendency to provide a reliable compressor lubricant for 24/7 operation.

Main Applications



- **Rotary sliding vane and screw air compressors**

Shell Corena S6 A is suitable for use in oil-flooded or oil injected screw air compressors.

- **Severe service conditions**

Shell Corena S6 A is suitable for applications requiring high capacity, reliability, multi-stage compression, hot and humid environments, and operations in low air quality conditions.

Specifications, Approvals & Recommendations

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

Compatibility & Miscibility

- **Change-over Procedure**

Shell Corena S6 A 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 Corena S6 A.

Typical Physical Characteristics

Properties			Method	Shell Corena S6 A 46
ISO Viscosity Grade				46
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	40.6
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	8.0
Viscosity Index			ISO 2909	174
Density	@15°C	g/cm ³	ASTM D4052	0.991
Flash Point			ASTM D92	260
Pour Point			ASTM D97	-48

Properties		Method	Shell Corena S6 A 46
TAN	mg KOH/g	ASTM D664	0.3

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 Corena S6 A 46 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**

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