



Previous Name: Shell Corena RS

Shell Corena S2 RJ

Rotary Air Compressor Oil

- STANDARD LIFE APPLICATIONS
- JAPANESE COMPRESSOR APPLICATIONS

Shell Corena S2 RJ is a high quality air compressor oil designed to deliver reliable lubrication of rotary screw air compressors. It uses an optimised non-detergent additive system to provide good protection and performance, particularly in Japanese compressor machinery where low sludge, good thermal-oxidation stability and high flash point are required.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Long oil life - Maintenance saving**
Shell Corena S2 RJ is formulated to help:
- Resist sludge formation, to ensure efficient operation even in humid environments
- Resist formation of deposits on rotating components in screw compressors
Exact oil maintenance interval will depend on intake air quality, duty cycle and ambient conditions (consult OEM recommendations).
- **Maintaining System Efficiency**
Air release and prevention of foaming are critical performance characteristics in a compressor oil, ensuring reliable start-up and continuous compressed air availability. Shell Corena S2 RJ is designed to provide rapid air release without excessive foaming to give trouble-free operation even under cycling conditions.
Shell Corena S2 RJ has low volatility and oil carryover properties to reduce oil top-up.
In addition, Shell Corena S2 RJ has excellent water separation properties to help ensure continuous efficient operation of the compressor even in the presence of water.

Main Applications



- **Screw air compressors**
Suitable for oil flooded or oil injected air compressors, particularly those from Japanese manufacturers.
Shell Corena S2 RJ should not be used in reciprocating compressors, rotary vane, drip-feed rotary compressors or compressors used for breathing air.

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 Corena S2 RJ oils are compatible with seal materials commonly specified for use in air compressors.

Typical Physical Characteristics

Properties			Method	Shell Corena S2 RJ
Density	@15°C	kg/m ³	ASTM D1298	851
Flash Point (COC)		°C	ASTM D92	220
Pour Point		°C	ASTM D97	-30
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	32
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	6.07
Viscosity Index			ISO 2909	140

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 S2 RJ 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 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

To find the right Shell Corena product for your vehicles and equipment, please consult Shell LubeMatch at <http://lubematch.shell.com>

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

Viscosity - Temperature Diagram Shell Corena S2 RJ

