

Shell Corena S2 R



- Reliable protection
- Standard life applications



DESIGNED TO MEET CHALLENGES

Every part of your machine or process has been meticulously engineered, so you want to use a lubricant that has been designed to ensure that your equipment is well protected and works efficiently.

The Shell Corena range of air compressor oils has been developed to enable equipment operators to select the oil that will deliver optimum value to their operations through

- **wear protection**
- **long oil life**
- **system efficiency.**



Performance at a glance

	Protection	Oil life	System efficiency
Shell Corena S3 R ■ Long life ■ High efficiency	✓✓✓✓	✓✓✓✓	✓✓✓✓
Shell Corena S2 R ■ Reliable protection ■ Standard life applications	✓✓✓	✓✓✓	✓

Performance level is a relative indication only.

A ROTARY AIR COMPRESSOR OIL

Shell Corena S2 R is a detergent compressor oil that gives good oil life for sliding-vane and screw rotary air compressors. It is an oil that you can rely on to help keep rotary air compressors clean by helping to prevent the deposits that can reduce system efficiency. It is widely recognised by leading equipment manufacturers.

DESIGNED TO PROTECT

Protecting compressors from damage can help to increase service life and maximise your return on investment. Shell Corena S2 R can help to achieve this, as it

- **exceeds industry-standard gear-wear requirements;** *thus it helps to protect geared compressor components. It passes load stage 10 of the FZG gear-wear test (ANSI/AGMA 9005-E02 requirements for ISO 32 oils).*
- **provides excellent bearing-wear defence,** *as it passes the four-ball weld load test at >150 kg (IP 239 test method).*

DESIGNED FOR LONG OIL LIFE

Limiting fluid degradation can help to prolong oil life. Shell Corena S2 R is designed to help you operate your compressors for longer without interruption – for reduced maintenance requirements and enhanced productivity. Shell Corena S2 R delivers

- **up to 4,000 hours' oil life**

in many less-demanding applications, as demonstrated by its performance in the Shell Hydrovane test running at 85°C. It also provides over 800 hours' oil life in more-severe applications, as shown in the same test running at 120°C, which is five to six times more severe than the normal test.

- **good oxidation stability**

in the industry-standard oil oxidation test (ASTM D2272), which shows it has a comparable life to many of the oils typically used in less-severe compressor applications.

DESIGNED FOR SYSTEM EFFICIENCY

Deposits, air bubbles in the oil and foaming can reduce rotary compressor efficiency. Shell Corena S2 R offers

- **enhanced system cleanliness**

through detergents that help to keep critical components clean, including oil stop valves and scavenging lines

- **fast air release,**

which helps to reduce the risk of cavitation and oil oxidation, and thus enables the oil to maintain a protective film on bearings

- **good foaming performance,**

which helps to reduce downtime due to low-oil alarms and failure to start.

SPECIFICATIONS AND APPROVALS

Shell Corena S2 R is suitable for compressors from a wide range of manufacturers. It meets ISO 6743-3A-DAH requirements, and is available in viscosity grades ISO 46 and 68.

REAL-WORLD VALUE DELIVERY

Shell Corena S2 R offers cost-effective rotary compressor lubrication for less-demanding applications. It can help to

- control the cost of compressor lubrication, especially in older equipment
- provide a flexible solution for compressor and vacuum pump applications and so reduce the number of different oils needed.

FULL PRODUCT AND SERVICE PORTFOLIO

Whatever your needs or application, we can provide a full range of oils and greases, including synthetic, high-performance products and additional services.

APPLICATIONS



Rotary air compressors – suitable for most sliding-vane and screw compressors, including oil-flooded and oil-injected systems with oil-drain intervals of up to 4,000 hours



Stationary and mobile applications – including construction-site and railway use. It provides excellent performance at pressures of up to 15 bar and temperatures of 100°C.



Rotary vacuum pump applications – suitable for medium-vacuum applications at pressures of 1×10^{-3} bar

For more information, please contact

shell.com/lubricants

