

Shell Corena S3 R



- Long life
- System efficiency



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 S4 R SYNTHETIC ■ Extra long life ■ System efficiency ■ Severe applications	✓✓✓✓✓	✓✓✓✓✓	✓✓✓✓✓
Shell Corena S3 R ■ Long life ■ System efficiency	✓✓✓✓	✓✓✓✓	✓✓✓✓
Shell Corena S2 R ■ Reliable protection ■ Standard-life applications	✓✓✓	✓✓✓	✓

Performance level is a relative indication only.

A PREMIUM ROTARY AIR COMPRESSOR OIL

Shell Corena S3 R oil uses Shell's ashless-technology formulation to provide extended oil life for sliding-vane and screw rotary air compressors. It is an oil that you can rely on to help protect high-pressure and high-temperature rotary air compressors for excellent performance. It is widely recognised by leading equipment manufacturers.

DESIGNED TO PROTECT

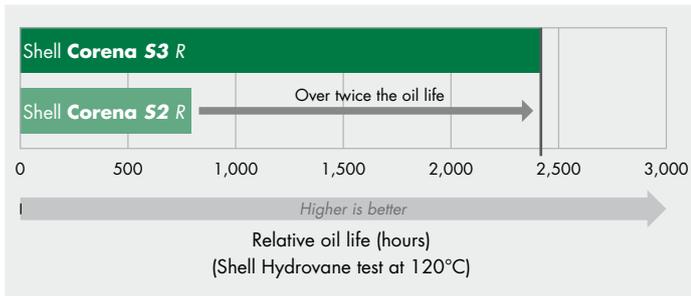
Protecting compressors from damage can help to increase service life and maximise your return on investment. Shell Corena S3 R can help to achieve this, as it

- **exceeds industry standard gear-wear requirements;** thus it helps to protect geared compressor components. It passes load stage 11 of the FZG gear-wear test (ANSI/AGMA 9005-E02 requirements for ISO 32 oils). Load stage 9 is the minimum requirement.
- **provides excellent bearing-wear protection,** as it passes the four-ball weld load test at >150 kg (IP 239 test method).

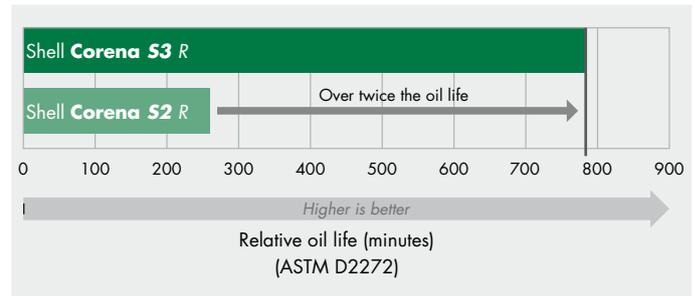
DESIGNED FOR LONG OIL LIFE

Limiting fluid degradation can help to prolong oil life. Shell Corena S3 R is designed to help you operate your compressors for longer without interruption – for reduced maintenance requirements and enhanced productivity. Shell Corena S3 R delivers

- **up to 6,000 hours' oil life in many less-demanding applications,**
as demonstrated in real applications and the Shell Hydrovane test running at 120°C. This test is two to three times more severe than normal operations at around 100°C.



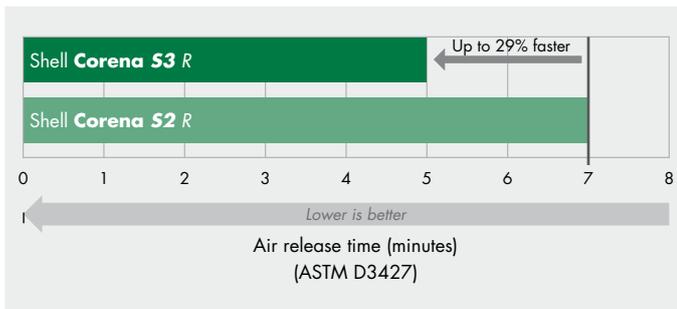
- **over twice the oil life**
of Shell Corena S2 R in industry-standard oxidation tests.



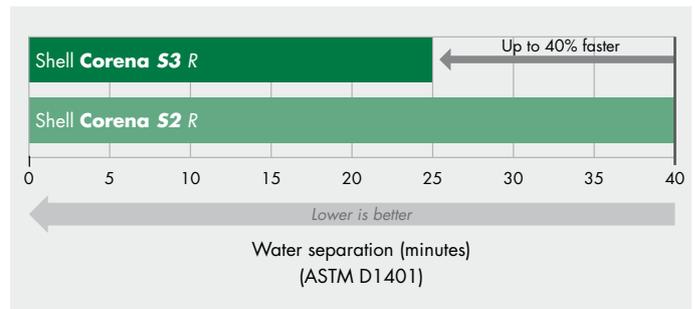
DESIGNED FOR SYSTEM EFFICIENCY

Deposits, air bubbles in the oil and foaming can reduce rotary compressor efficiency. Shell Corena S3 R helps to maintain the constant supply of compressed air that you need for efficient operations by offering

- **up to 29% faster air release**
than Shell Corena S2 R, which helps to improve lubrication and prevent cavitation damage



- **up to 40% faster water separation**
than Shell Corena S2 R, which helps to ensure efficient protection and lubrication.



SPECIFICATIONS AND APPROVALS

Shell Corena S3 R is suitable for compressors from a wide range of manufacturers. It meets ISO 6743-3A-DAG requirements and is available in viscosity grades ISO 32, 46 and 68.

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 6,000 hours



Stationary and mobile applications – including construction-site and railway use. It provides excellent performance at air discharge temperatures of up to 100°C, and at pressures of up to 20 bar in screw compressors and 10 bar in sliding-vane compressors



REAL-WORLD VALUE DELIVERY

Users of Shell Corena S3 R across a wide range of industries are benefiting from the proven long oil life and system efficiency that add value to their operations. For instance, by changing to Shell Corena S3 R customers are

- increasing production by extending oil-drain intervals by two to three times
- solving filter-blocking, foaming and water-separation problems: one customer reports saving over \$35,000¹ a year
- increasing availability and cutting maintenance costs: one customer has reduced the high operating temperatures caused by thickening of the original oil, which prevented the oil valves from working efficiently.

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.

¹Saving reported by one customer. Actual savings may vary, depending on the application, the current oil used, the maintenance procedures and the condition of the equipment.

For more information, please contact

shell.com/lubricants

