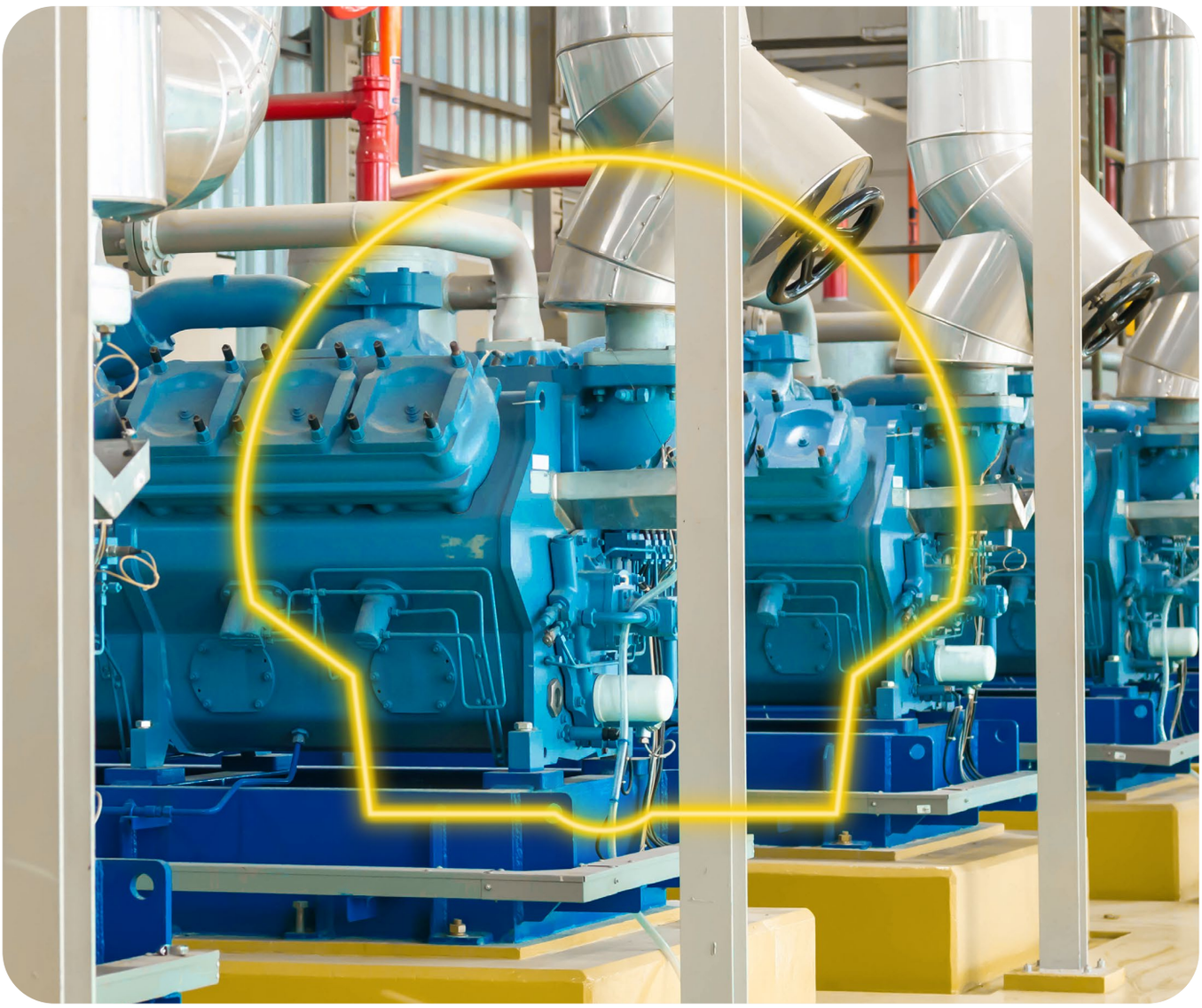
FAMCO
هایپرصنعت



The Shell Corena range

Improve operations by selecting the right air compressor oil

LUBRICANT SOLUTIONS

www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group

Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبروی پالایشگاه نفت پارس، پلاک ۱۲

Air compressors have high power-to-volume/weight ratios enabling the cost-effective power delivery that is critical for manufacturing.

However, only well-maintained air compressors are likely to deliver lifetime cost and efficiency benefits. Your choice of compressor oil can make a difference. This is increasingly important as compressors become more compact and service intervals are extended, which means a smaller oil volume is being relied on to work harder for longer.

The Shell Corena range of air compressor oils has been developed with customers and equipment manufacturers to enable you to select the product you need to meet industry requirements and overcome operational challenges. With innovative technology, and performance and protection proven in severe applications, you can rely on Shell Corena oils to help deliver value to your operations.

A range of air compressor oils to meet your needs

To meet the challenges of a wide range of air compressors and applications, we have designed a portfolio of oils that enables you to choose a product to match your needs.

Improved protection and longer oil life >>>>>

	SHELL CORENA "R" RANGE Rotary vane and screw air compressor oils		SHELL CORENA "P" RANGE Reciprocating (piston) air compressor oils
Advanced	**Shell Corena S4 *R*** **Synthetic** • Polyalphaolefin (PAO) based • Improved efficiency • Severe applications • Deposit control • Extra long life	**Shell Corena S5 *R*** **Synthetic** • Polyalkylene glycol (PAG) based • Low deposit formation • Severe applications • Extra long life	**Shell Corena S4 *P*** **Synthetic** • Extra long life • Improved efficiency • Severe applications
Premium	**Shell Corena S3 *R*** • High-quality hydrotreated mineral base oils • High efficiency • Long life	**Shell Corena S3 *RX*** **Synthetic** • Shell gas-to-liquids (GTL) technology • Excellent system efficiency • Long life	
Mainstream	**Shell Corena S2 *R*** • High-quality hydrotreated mineral base oils • Reliable performance and protection		**Shell Corena S2 *P*** • Reliable protection • Standard-life applications

PRODUCT NAME SUFFIX KEY

P=High pressure/reciprocating (piston) air compressors

R= Rotary vane and screw air compresors

APPLICATION ICON KEY

- High temperature
- Mobile compressors
- Factory/machine applications
- Reciprocating (piston) air compressors
- Rotary vane and screw air compressors

www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group

Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پـارس، پلاک ۱۲



Performance you can count on

We have developed our range of air compressor oils in close cooperation with customers and equipment makers. Shell Corena oils are well known to industrial customers and their performance has been constantly demonstrated in real-life applications to help reduce the likelihood of your equipment letting you down.

System efficiency

Contamination by water and air, and oil thickening can cause a loss of compressor efficiency and increase energy costs.

To help you control energy costs, we have designed Shell Corena oils to suppress foaming by quickly releasing trapped air and rapidly separating condensed water. And the GTL base oil in our synthetic products gives them a higher viscosity index and lower pour point than mineral-based oils to help them remain close to their optimal viscosity over a wider ambient temperature range.

Wear protection

Our Shell Corena oils for rotary compressors are designed to control vane and screw wear, and our reciprocating compressor oils are formulated specifically to control cylinder, piston ring and valve wear. The range includes our full synthetic, advanced products – Shell Corena S5 R, Shell Corena S4 R and Shell Corena S3 RX – formulated with different based oil technologies to meet your enhanced wear protection needs.

Real-world value delivery

After switching to synthetic compressor oil Shell Corena S4 R, customers reported the following benefits:

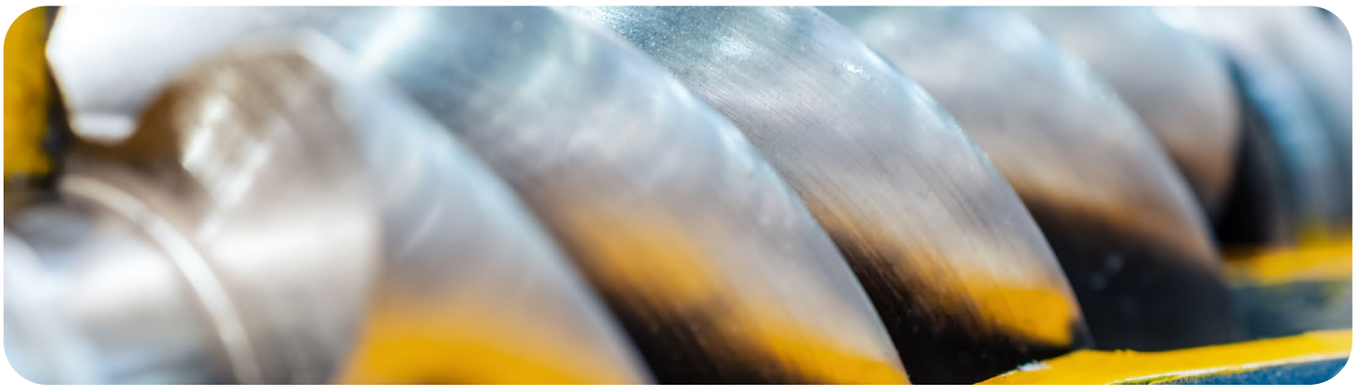
- **2× longer** oil-drain intervals compared with conventional oils
- **3× longer** between compressor overhauls in a demanding cement application
- **greater efficiency** and lower operating temperatures by avoiding oil thickening.

Shell
Lube Optimiser

Are you being offered the right solutions, by the right people?

Identifying contamination issues and the right services to resolve them can be challenging and time-consuming. Shell LubeOptimiser

- **reduces operating costs** by helping to avoid potential disruption through expert diagnosis and recommending the right services
- **saves time and provides peace of mind** by identifying the right service providers through our network of vendors that are approved against rigorous criteria (so you do not have to), including health, safety, security and environmental performance; reputation and references; responsiveness; commercial terms; and quality control.



www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group

Tel:۰۲۱- ۴ ۸ ۰ ۰ ۰ ۰ ۴ ۹
Fax :۰۲۱ - ۴۴۹۹۴۶۴۲

تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبـروی پالایشگاه نفت پـارس، پلاک ۱۲



Operating without interruption

The longer an oil's life, the less fluid maintenance your equipment requires, so it can continue to operate without interruption.

Shell Corena synthetic oils have up to

10,000

hour oil-drain intervals, even in high-temperatures and high-humidity regions.[1]

Manufacturing company uses Shell Varnish Removal Fluid to cut operating costs

A general manufacturing company's compressor was operating at a higher temperatures and consuming excessive energy. The 55-kW Kobelco Compressor VS-series unit had been operating for over 10 years during which time varnish had built up.

To improve its performance, and reduce energy use, 5% Shell Varnish Removal Fluid was added to the oil tank and the compressor operated as normal for 72 hours. The system was flushed and the tank filled with 50 litres of fresh Shell Corena S2 RJ 32.

The customer reports lower energy consumption and

- **5.8%** increase in discharge pressure – higher output efficiency
- **8.4%** decrease in operating temperature – less frictional heat generated

If we take 8% as a theoretical efficiency increase after calculation, for a 55 kW compressor with 4000 hours running time per year, total saving of annual power consumption is 17,600 kWh, with corresponding cost saving and carbon emission reduction.

Reducing costs by extending oil-drain interval

A cement company switched to fully synthetic Shell Corena S4 R 68 and used the Shell LubeAnalyst service to monitor oil performance. **This helped the company to achieve a**

2.5x

increase in oil-drain interval, from 2,000 to 5,000 hours.

Based on lower operating costs resulting from reduced oil consumption and increased uptime, the company has reporting estimated annual savings of US$511,000.[1]

[1] Data reported by specific customers. Actual oil-drain intervals will vary depending on specific equipment types, and working and environmental conditions.

Full product and service portfolio

Shell Lubricants* is the market leader** in lubricants with a long history of innovation. We constantly invest to develop better lubrication solutions, including advanced synthetic technologies such as:

- Shell Gas Compressor Oils – high performance special purpose gas compressor oils
- Shell Turbo S4 GX and Shell Turbo S4 X – high performance GTL-based synthetic turbine oils, which can also be used for centrifugal and axial, dynamic turbo-compressors.

In addition, we provide the world-leading Shell LubeAnalyst oil condition monitoring service, which is designed to help improve your business performance.

Whatever your needs or application, ask us how we can help your business though our full range of oils and greases, including synthetic, high-performance products and additional services.

www.famcocorp.com
E-mail: info@famcocorp.com
@famco_group

Tel:۰۲۱-۴۸۰۰۰۰۴۹
Fax:۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر۲۱ بزرگراه لشگری (جاده مخصوص کرج)
روبروی پالایشگاه نفت پارس، پلاک ۱۲