

Better performance
under pressure



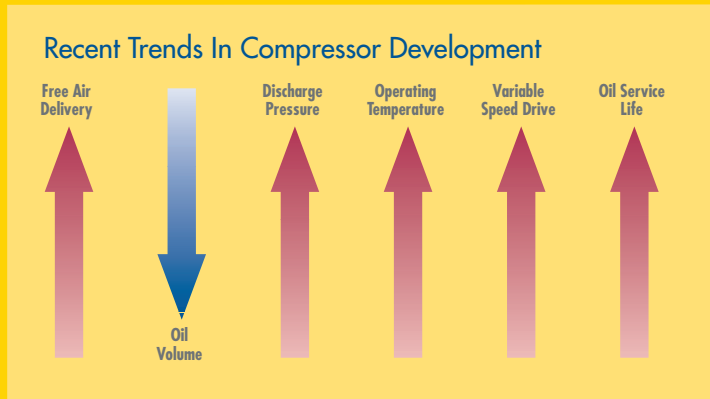


Can you afford to lose compressed air?

In any operation requiring compressed air, it is essential to keep your compressors working without loss of pressure.

But as production demands rise and compressors are driven even harder to produce more and more air, the risk of an unplanned breakdown rises. A loss of air availability is often costly and can have serious consequences that will affect the whole production process.

Using a high performance and specifically designed compressor lubricant will enable your compressors to operate with greater reliability in today's tough conditions.



Shell Corena – proven to work best overall

Rigorous competitor evaluation has proven that Shell Corena oils are the best overall choice for ensuring reliable air supply. Several factors affect reliability, therefore it is important to use a lubricant that gives optimum all-round performance.

For instance, it is not sensible to use a lubricant that offers good oil life but poor anti-wear protection, or excellent anti-foaming properties but insufficient water-shedding capability. Shell Corena AS scores strongly on all counts.

		Shell Corena AS	Competitor 1	Competitor 2	Competitor 3	Competitor 4	Competitor 5
Thermal stability		★★★★★	★	★★★★★	★★★★★	★★★★★	★★★★★
Water-shedding properties		★★★★★	★★	★★	★	★★★★★	★★
Oxidation stability		★★★★★	★★★★	★★★	★★★	★★★★★	★★
Anti-wear performance		★★★★★	★★★★	★★★	★★★	★★★★	★★★★
Surface properties	Air release	★★★★★	★★★★★	★★	★★★★★	★★★★	★★★★
	Foam	★★★★★	★★	★★★★★	★★	★	★★★★★
Overall score		★★★★★	★★	★★★	★★	★★★★	★★★

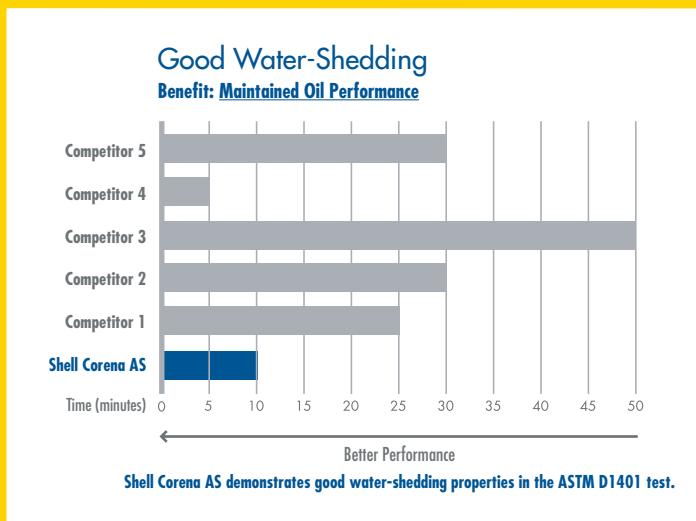
New Corena AS is the best overall performer



New Shell Corena S & AS

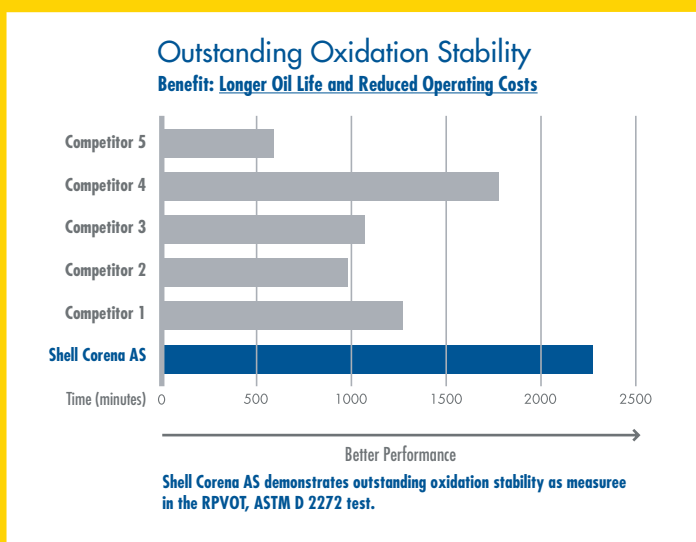
As OEMs (Original Equipment Manufacturers) design rotary screw and vane compressors to work harder, longer and with higher delivery pressures, the demands on lubricants have

increased. That is why Shell Lubricants have developed new Corena S and AS. Both Corena S and AS have been specifically designed for use in these modern types of compressors, where Shell's new lubricants demonstrate considerable performance improvements. This is particularly true in the critical areas of compressor cleanliness and wear protection.



Enjoy the advantages of using Shell Corena

The Shell Corena range of air compressor oils can save you the expense and aggravation of sudden breakdowns, unnecessary maintenance, shortened drain intervals and loss of pressure often associated with lower-performing oils. The reliability of Shell Corena compressor oils means that your supply of compressed air remains optimal, enabling your equipment to function - saving you both cost and aggravation.



You're in good company

Many industrial plants and mobile applications worldwide use Shell Corena oils in a wide variety of compressor makes and models. The Shell Corena line of products has proven field experience in a broad range of leading screw, vane and reciprocating air compressors worldwide. They are designed to deliver outstanding performance and value in a variety of OEM equipment including Atlas Copco, Bauer, CompAir, Dresser Rand, Hanshin, Hitachi, Ingersoll Rand, Kaeser and Quincy.



Keeping equipment failures to a minimum

You depend on your equipment to keep operating so that you can complete your work and serve your customers in the way they expect.

Poor compressor performance affects your profitability, while breakdowns can compromise your ability to fulfil your obligations. Premature component wear and deposit formation are two recognised contributors to such problems.

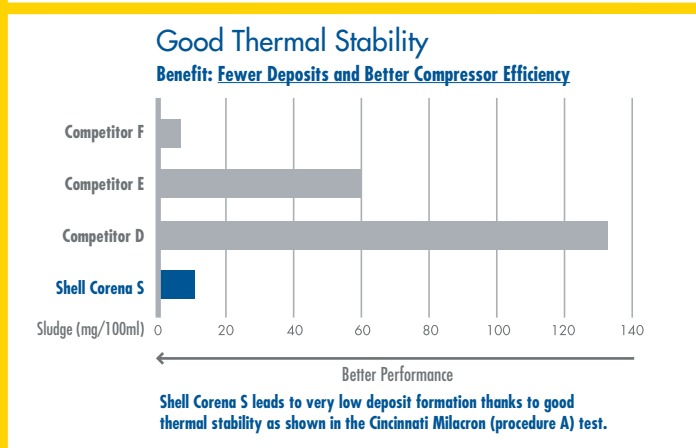
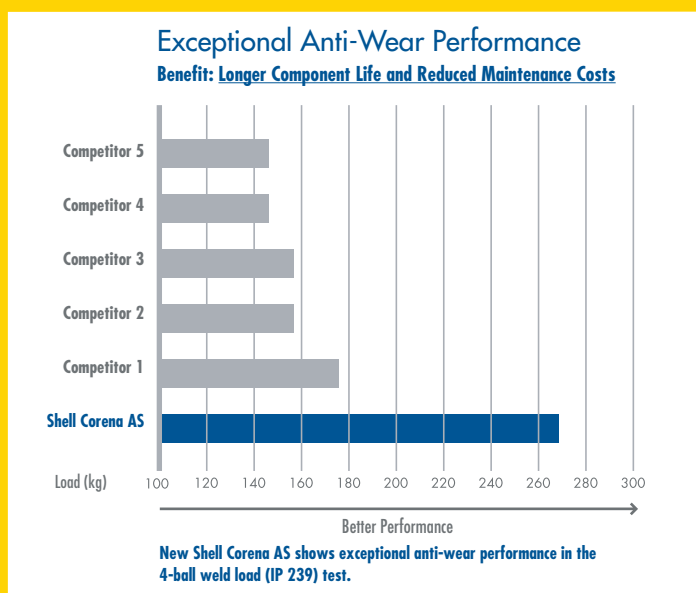
Protection against component wear

A worn or broken component in your compressor can bring your entire production process to a standstill.

Using a lubricant designed to protect components against wear will prolong their life and reduce the risk of an unexpected breakdown. To help you meet your planned schedule – and minimise unnecessary costs – the Shell Corena range has been formulated to give superb anti-wear performance. Components last longer, enabling you to get the best use out of expensive equipment while being able to rely on more working time and less unprofitable downtime.

Resistance to deposits

There are many causes of deposits - such as varnish and sludge which can hinder performance in a compressor. You need a lubricant that can resist this deposit formation, especially when working in high temperature or humid conditions. These deposits make it harder for your compressor to work efficiently and increase the risk of breakdown. The additives and base oils used in Shell Corena oils give the lubricants excellent thermal and oxidative stability.



These qualities minimize deposits that could clog your system through fouling, blockages or valve sticking. This performance gives you the benefit of improved reliability, less maintenance and extended oil drain intervals.

Choose the right product

The different Shell Corena lubricants have been developed to offer you superb performance in specific situations that you face every day. Whichever one you choose, each oil has been carefully formulated to keep your compressors working at full strength.

Shell Corena S	Severely hydro-treated premium-tier compressor oil, for rotary vane or screw compressors in normal and demanding operating conditions
Shell Corena AS	Synthetic top-tier compressor oil, for rotary vane or screw compressors in severe operating conditions, such as higher temperatures and humidity
Shell Corena P	Mineral premium-tier compressor oil, for reciprocating/piston compressors in normal and demanding operating conditions
Shell Corena AP	Synthetic top-tier compressor oil for reciprocating/piston compressors in severe operating conditions such as higher temperatures and humidity

New Shell Corena S & AS offer:

- **Better thermal stability: maintains compressor efficiency**
- **Improved water-shedding properties: maintains performance when contaminated with water**
- **Outstanding oxidation stability: improves service life in the field**
- **Advanced anti-wear performance: improves component life**
- **Better surface properties: reduces oil carryover**

In addition, the new lubricants maintain Shell Corena oils traditional strengths of:

- **Good seal compatibility** – for increased seal longevity and reduced leakage
- **Low temperature performance** – for easy start-up at low temperatures
- **Yellow metal passivation** – corrosion protection and longer component life
- **Hydrolytic stability** – prolongs oil life in moist condition

Your global partner

For almost four decades, Shell Corena compressor oils have been providing the solutions that industry requires.

During that time, Shell has used these specialist lubricants in a wide range of applications around the world – and is now global market leader in air compressor oils.

By continuously testing and refining our product range, we are able to offer you the benefits of the latest technological advances.

Our expertise ensures global product performance and quality, while our support and distribution networks are available to assist you with all your needs.

Full Factory Plant Maintenance product range

Shell also manufactures a full range of factory plant maintenance products designed to give you improved protection, longer service life and reduced wear.

Hydraulic oils	Shell Tellus	A complete range of hydraulic oils for stationary and mobile applications
Gear oils	Shell Omala and Tivela	An extensive range of high-performance gear oils for a wide range of applications
Vacuum pump oils	Shell Corena V	High-quality vacuum pump oils
Bearing & circulating oils	Shell Morlina	Premium-quality bearing & circulating oils available in a wide range of viscosities for a large number of industrial applications
Fire-resistant hydraulic fluids	Shell Iruis	A full range of very high-performance fluids for high fire risk areas
Industrial greases	Shell Albida and Alvania	High-performance industrial greases
Turbine oils	Shell Turbo	A full range of turbine oils
Environmentally considerate lubricants and greases	Shell Naturelle	A full range of environmentally considerate high-quality products
Lubricants and greases for food & beverage production	Shell Cassida	High-performance products for the food industry

Local product portfolio might vary slightly. Please consult your Shell representative for more information.

For more information, contact:

Shell
CORENA
Air Compressor Oils



Shell Lubricants

www.shell.com

'Shell Lubricants' refers to the various Shell companies engaged in the lubricants business.