<table>
<thead>
<tr>
<th>Product</th>
<th>Benefits</th>
<th>Technology</th>
<th>ISO viscosity grades</th>
<th>Specifications and approvals</th>
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<tr>
<td>Shell Morlina S4 B</td>
<td>Extra long life, Extra protection, Severe applications</td>
<td>Synthetic, mild EP</td>
<td>220, 320</td>
<td>Approved by or meets Alfa Laval Group D (gearboxes), Aerzen Maschinenfabrik (blowers), Baltimore Aircoil (gearboxes), Cincinnati Machine, David Brown and many other equipment manufacturer approvals and listings. Industry standards: ISO 12925-1 type CKS; ISO 150 VG</td>
</tr>
<tr>
<td>Shell Morlina S1 B</td>
<td>Reliable protection, Special applications</td>
<td>Conventional, non-EP</td>
<td>100, 150, 220, 320, 460, 680</td>
<td>Approved by or meets: Morgan Morgoil® – New Oil (Rev. 1.1) and Danieli Standard Oil 6.124249.F (ISO 100-460). Industry standards: DIN 51517-1 type C</td>
</tr>
</tbody>
</table>

**FULL PRODUCT AND SERVICE PORTFOLIO**

Shell Lubricants is named a global leader in lubricants (Kline & Company 2009) and has a 60-year history of innovation. We are constantly investing to develop better lubrication solutions, as demonstrated by:

- Shell Omega S4 GX synthetic gear oil – for long life in demanding environments
- Shell Corena S4 R air compressor oil – for up to 12,000 hours of protection.

In addition, Shell provides the excellent Shell LubeAnalyst oil condition monitoring service, which is designed to help you improve your business performance.

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

For more information, please contact:

shell.com/lubricants

**DESIGNED TO KEEP PRODUCING RESULTS.**

**JUST LIKE OUR BEARING AND CIRCULATING OILS – SHELL MORLINA.**

**DESIGNED TO MEET CHALLENGES**
The Shell Morlina range of bearing and circulating oils has been developed to enable equipment operators to select the oil that will deliver optimum value to their operations through enhanced wear protection, long oil life and high system efficiency.

WEAR PROTECTION

Lubrication systems for industrial equipment differ considerably across industries in size, loading, operating conditions, temperatures and exposure to contamination. But whatever your application, bearings, gears and oil pumps must be well protected from wear and corrosion for long machine life.

That is why Shell offers a range of bearing and circulating oils ranging from robust, reliable products to fully synthetic products fortified with extreme-pressure (EP) additives. There are also speciality products designed to cope with hot, wet or dusty environments, or high-precision operations.

OIL LIFE

The longer the oil life, the less fluid maintenance is required to help your equipment to operate for longer without interruption. The Shell Morlina range of bearing and circulating oils enables you to match the oil life of the fluid to your operational needs. This includes the fully synthetic Shell Morlina S4 B, which offers the longest oil life in the Shell range under severe conditions, and speciality products that continue to function even when very contaminated with water, dust or dirt.

SYSTEM EFFICIENCY

Efficient systems are characterised by their ability to operate at or beyond their original design parameters. Consistent and reliable lubrication, whatever the operating conditions, is key. As every application brings specific challenges, the Shell Morlina range is designed to provide a choice of oils that can help to optimise system efficiency.

A RANGE OF BEARING AND CIRCULATING OILS DESIGNED TO MEET YOUR NEEDS

To meet the challenges of a wide range of equipment designs and applications, Shell has designed a portfolio of oils that enables you to choose a product to match your technical and operational needs.

WEAR PROTECTION

Bearing and circulating oils with a range of protection and performance levels for a wide range of industrial applications

Shell Morlina S4 B

SYNTHETIC

- Extra long life
- Extra protection
- Severe applications

Shell Morlina S2 B

Industrial applications

Shell Morlina S1 B

Reliable protection

Shell Morlina S2 BL

Reliable protection

High-speed applications

RESPONDING TO YOUR NEEDS – SHELL MORLINA S4 B

Using fully synthetic bearing and circulating oils, such as Shell Morlina S4 B, can bring significant savings to operators of heavy industrial equipment or where operating conditions are hot and severe. For instance, by switching from a conventional product, one customer reports:

- Increasing oil life by 400%
- Reducing bearing damage
- Increasing the value of production output by over $80,0001 a year.

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

1Value 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.