

Shell Morlina S2 BA



- Extra protection
- Water shedding
- No-Twist® mill systems



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 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

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



Performance at a glance			
	Protection	Oil life	System efficiency
Shell Morlina S2 BA	✓✓✓✓	✓✓✓	✓✓✓✓
<ul style="list-style-type: none"> ■ Extra protection ■ Water shedding ■ No-Twist® mill systems 			

Performance level is a relative indication only.

A SPECIAL-APPLICATION BEARING AND CIRCULATING OIL

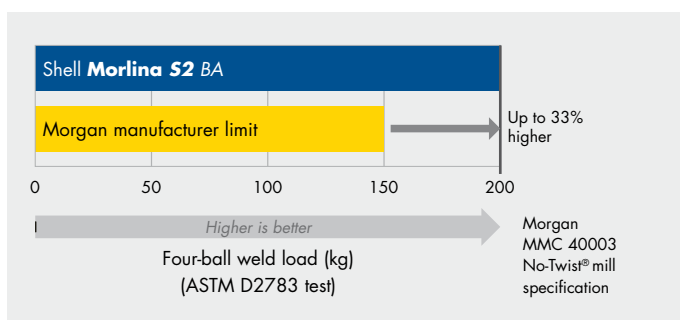
Shell Morlina S2 BA is a high-performance oil designed to provide outstanding protection for challenging industrial bearing and circulating applications such as those found in No-Twist® mill systems. It also has enhanced water separation and filterability characteristics, and is suitable for general lubrication where anti-wear and mild extreme-pressure (EP) properties are desired. Designed with oil life, wear and corrosion in mind, it is a fluid you can trust and meets the requirements of leading equipment manufacturers, including Morgan and Danieli.

OUR EXPERTISE, YOUR REASSURANCE: Shell Morlina oils have been designed and developed in close co-operation with customers and equipment manufacturers, and have a proven track record in real-life applications. They are recommended or approved by leading equipment manufacturers and users around the world, so you can be assured of their quality and performance.

DESIGNED TO PROTECT

Protecting components from damage can help to increase service life and maximise your return on investment in equipment. Shell Morlina S2 BA can help to achieve this by providing

- **up to 33% greater weld load protection** than the industry minimum.



Excellent wear protection

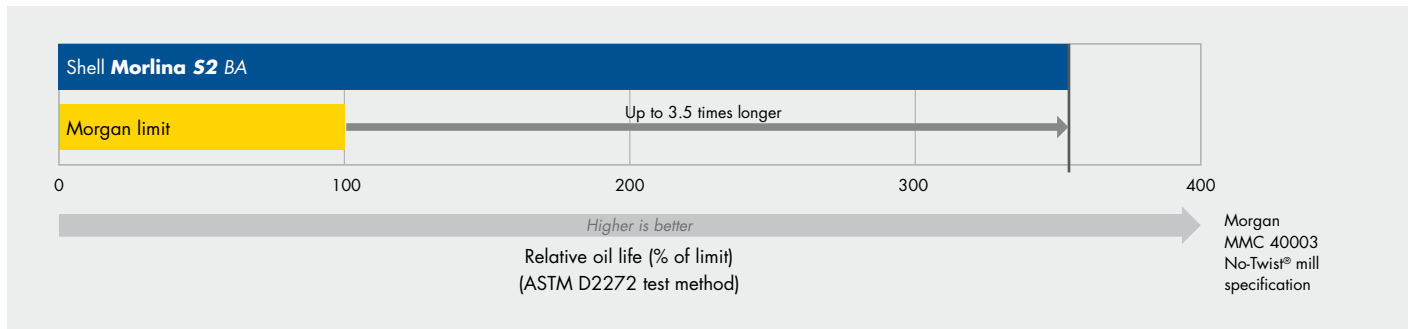
Shell Morlina S2 BA is formulated to provide reliable and robust protection in demanding applications where solid and liquid contamination can occur. It meets or exceeds the minimum industry requirements for gear wear¹ to help ensure protection of geared components in compressors.

¹FZG test: Failure load stage 12 versus ANSI/AGMA 9005-E02 requirements for ISO 68-150 oils; greater than load stage 12 for ISO 220-1000

DESIGNED FOR LONG OIL LIFE

Limiting fluid degradation can help to prolong oil life. Shell Morlina S2 BA is designed to help your equipment to operate for longer without interruption – for reduced maintenance requirements and enhanced productivity. In the industry-standard test, Shell Morlina S2 BA achieved

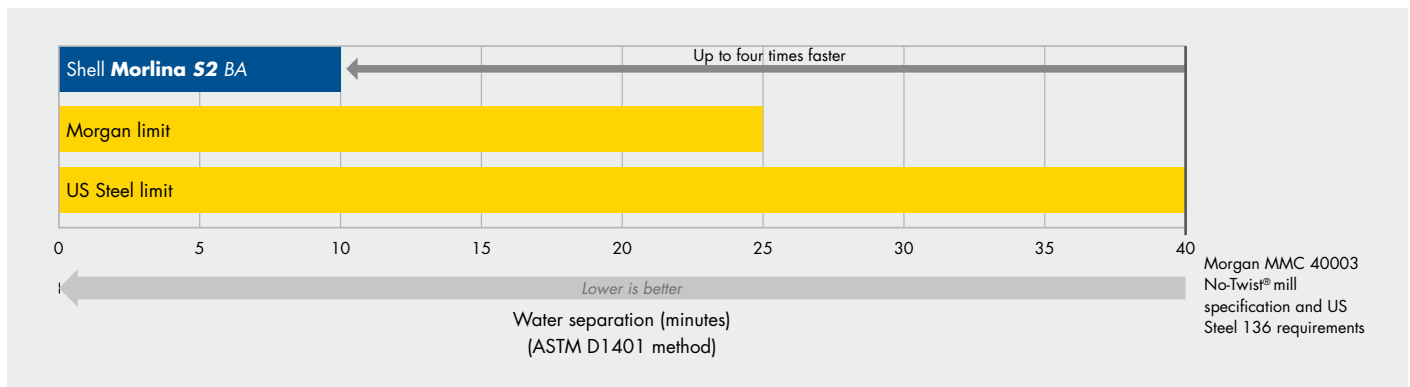
- **up to three and a half times longer oil life**
than equipment manufacturer requirements for No-Twist® mill applications.



DESIGNED FOR SYSTEM EFFICIENCY

Water separation and control of foaming are essential for maintaining protective oil films and ensuring the proper flow of lubricant to the moving parts of a machine. Shell Morlina S2 BA can help to achieve this by providing

- **up to four times faster water separation**
than the industry standard for steel mills.



SPECIFICATIONS AND APPROVALS

Shell Morlina S2 BA meets the requirements of a wide range of industry bodies and equipment manufacturers. ISO viscosity grades available: 100, 150, 220, 320, 460.

Meets requirements

Morgan Morgoil® – New Oil (Rev. 1.1)	SEB 181-225
Morgan No-Twist® specification MMC 40003	DIN 51517-2 type CL
Danieli Standard Oil 6.124249.F	DIN 51517-3, type CLP

APPLICATIONS



No-Twist® rolling mill systems – for a single lubricant solution for highly loaded roller bearings and high-speed plain bearings



Contaminated lubrication systems – for environments where contamination by water can occur



Enclosed industrial gear systems – for moderately loaded enclosed gears where mild EP performance is required

REAL-WORLD VALUE DELIVERY

Many steel mill operators have experienced increased productivity and reduced maintenance costs by switching to Shell Morlina S2 BA. For instance, some customers have

- improved filter life by four times
- increased oil life by up to three times
- experienced a reduction in the formation of sticky deposits and emulsions.

FULL PRODUCT AND SERVICE PORTFOLIO

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

