

# Shell Omala S3 GP



- Extreme-load protection
- Special applications



**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 Omala range of gear 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
<b>Shell Omala S4 GX SYNTHETIC</b> ■ Extra protection ■ Extra long life ■ Special applications	✓✓✓✓✓	✓✓✓✓✓	✓✓✓✓
<b>Shell Omala S3 GP</b> ■ Extreme load protection ■ Special applications	✓✓✓✓	✓✓✓	✓✓✓
<b>Shell Omala S2 G</b> ■ Extra protection ■ Special applications	✓✓	✓✓✓	✓✓

Performance level is a relative indication only.

## A SPECIAL-APPLICATION OIL FOR HIGHLY LOADED GEARS

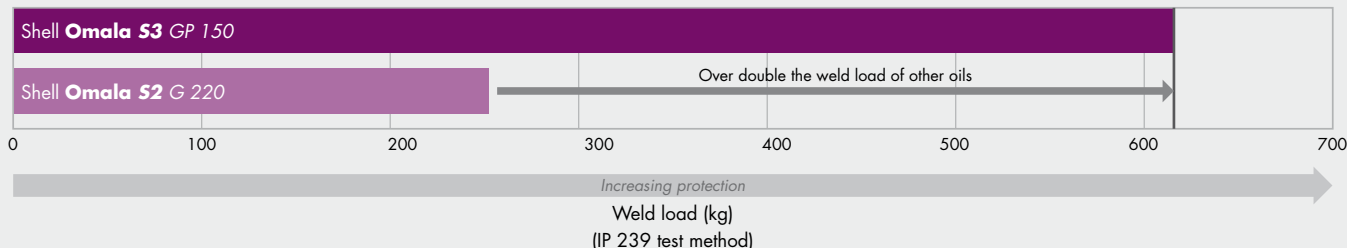
Shell Omala S3 GP oil provides extreme-load protection and performance for industrial gears. It is designed to help solve problems associated with worn, misaligned and contaminated gears. It is an oil that you can rely on to help prevent foaming and water contamination, which can reduce gear performance under extreme pressure and contaminated conditions.

## DESIGNED TO PROTECT

Protecting gears from damage can help to increase service life and maximise your return on investment. Shell Omala S3 GP is specifically formulated to protect under shock-load, extreme-load and contaminated conditions. It offers

- **over double the weld load of normal gear oils**

to enhance protection for shock-loaded, misaligned and contaminated gear sets. It also offers high micropitting resistance, as it passes load stage 10 in FZG tests and the four-ball-test at 500 kg when dry and 400 kg after water exposure.

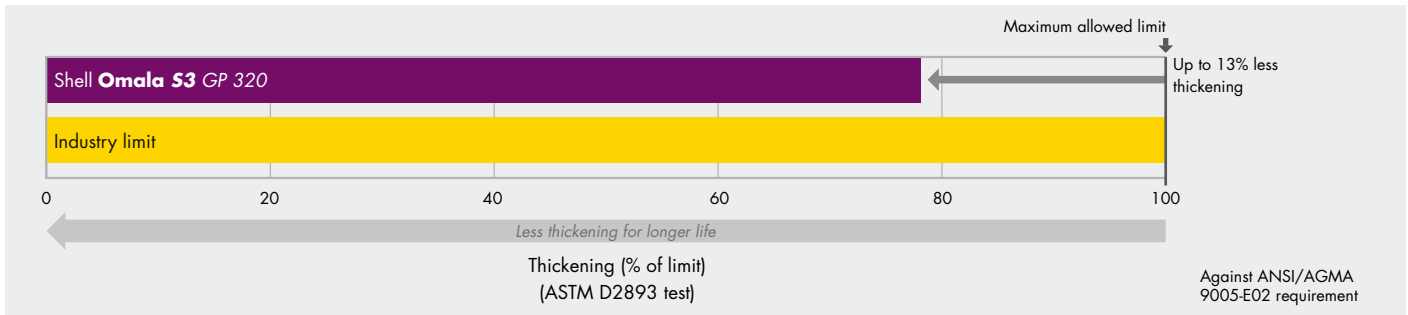


## DESIGNED FOR LONG OIL LIFE

Limiting fluid degradation can help to prolong oil life. Shell Omala S3 GP is designed to help you operate for longer without interruption – for reduced maintenance requirements and enhanced productivity. In the industry-standard oil life test, Shell Omala S3 GP achieved

- **up to 13% less thickening**

than the maximum allowed after 312 hours at 121°C (ASTM D2893).

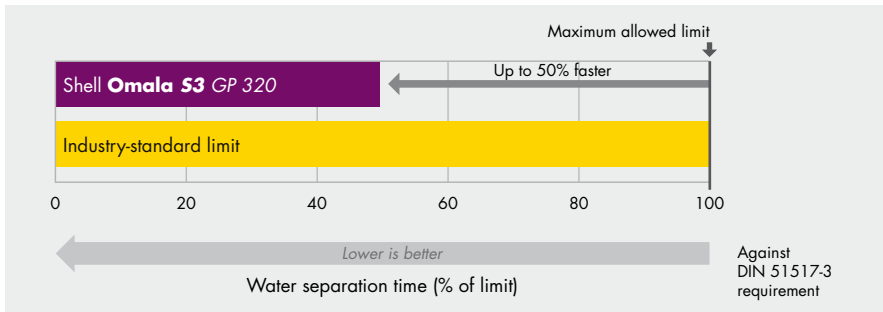


## DESIGNED FOR SYSTEM EFFICIENCY

A gear oil needs to protect and lubricate efficiently. Shell Omala S3 GP is designed to increase productivity by helping equipment to meet or exceed its design capabilities. It provides

- **up to 50% faster water separation**

to help ensure efficient and constant lubrication



- **good foaming resistance when contaminated with solids,**

as it resists foaming in modified industry-standard tests, even with 5wt% cement dust contamination.

## SPECIFICATIONS AND APPROVALS

Shell Omala S3 GP meets the requirements of a wide range of industrial bodies and equipment manufacturers, and is available in viscosity grades ISO 220, 320, 460, 680 and 1500.

### Meets requirements

ANSI/AGMA 9005-E02 (EP)	DIN 51517-3 (CLP), except ISO 1500
Arcelor Mittal FT163	ISO 12925-1 Type CKD, except ISO 1500
David Brown S1.53.101E, except ISO 1500	US Steel 224

## APPLICATIONS



Enclosed industrial gearboxes – for severe operating conditions such as those found in heavy industry applications like steel manufacturing. The extra-extreme-pressure performance provides additional protection in worn, misaligned or contaminated gear sets.



Additional protection against the localised, high-pressure contacts that occur during shock loading



Suitable for bearings and other components in circulating and splash-lubricated systems

## REAL-WORLD VALUE DELIVERY

Shell has developed and marketed value-adding oils for many years. Shell Omala S3 GP is the latest speciality industrial gear oil designed to solve problems by helping to

- reduce wear and premature gear failure in heavily loaded and contaminated environments such as those found in the steel, mining and cement industries
- extend the working life of older or worn gear sets.

## 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.

For more information, please contact



[shell.com/lubricants](http://shell.com/lubricants)

