

# Shell Omala S4 GX



- Extra protection
- Extra long life
- 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> <ul style="list-style-type: none"> <li>■ Extra protection</li> <li>■ Extra long life</li> <li>■ Special applications</li> </ul>	✓✓✓✓✓	✓✓✓✓✓	✓✓✓✓
<b>Shell Omala S2 G</b> <ul style="list-style-type: none"> <li>■ Extra protection</li> <li>■ Industrial applications</li> </ul>	✓✓	✓✓✓	✓✓

Performance level is a relative indication only.

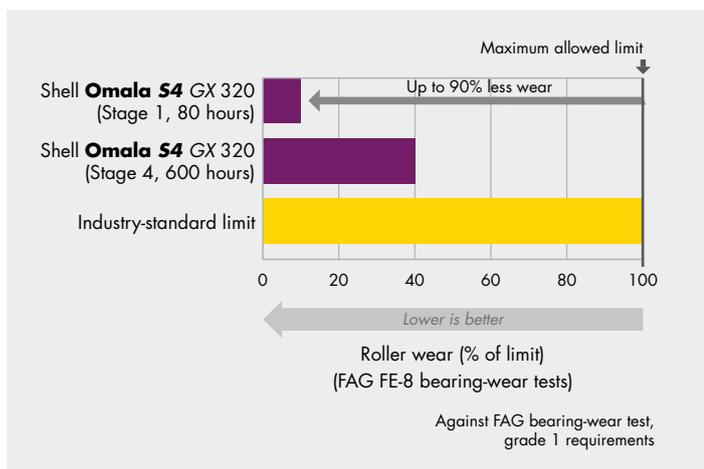
## AN ADVANCED, SYNTHETIC INDUSTRIAL GEAR OIL

Shell Omala S4 GX oil is Shell's fastest selling industrial gear oil. It is Shell's ultimate formulation, and is designed to provide extra long life and excellent protection under high loads. It is a synthetic oil with a low friction coefficient and good low-temperature performance, which make it ideal for wind turbine and other remote, long-life applications. Shell Omala S4 GX is widely recognised and approved by leading equipment manufacturers.

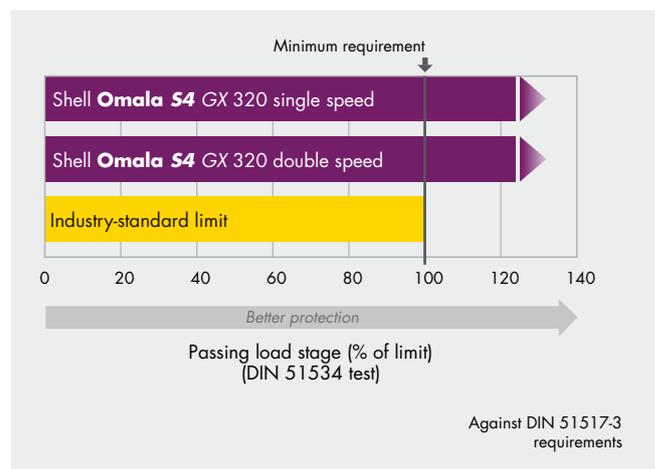
## DESIGNED TO PROTECT

Protecting gears from damage can help to increase service life and maximise your return on investment. Shell Omala S4 GX can help to achieve this by

- **providing up to 90% less bearing wear** than standard FAG test limits



- **significantly exceeding the minimum gear protection requirements, even during double-speed testing.**

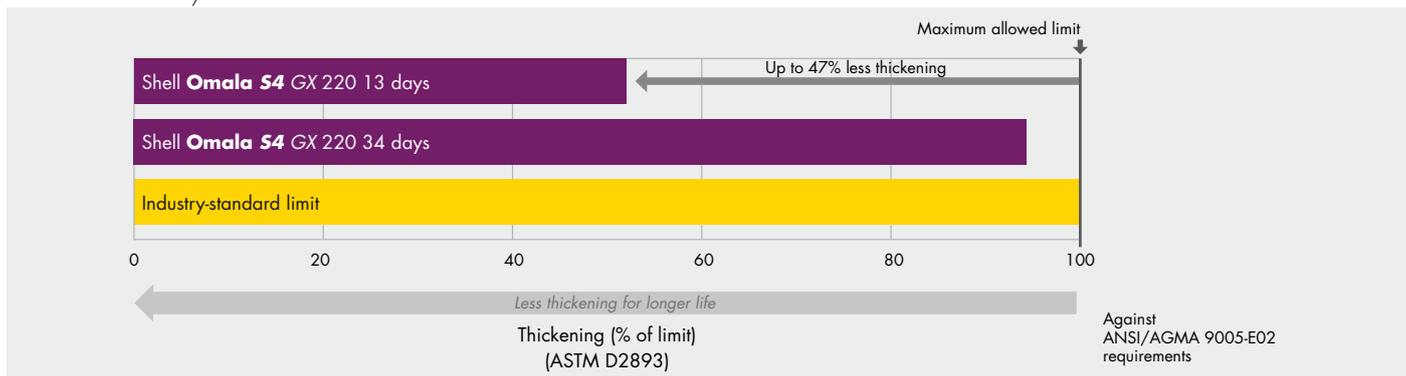


## DESIGNED FOR LONG OIL LIFE

Limiting fluid degradation can help to prolong oil life. Shell Omala S4 GX 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 S4 GX achieved

### ■ up to 47% less thickening

than the maximum allowed after 312 hours at 121°C to ensure efficient and consistent lubrication. It was still within the industry-standard limit after 34 days.



## DESIGNED FOR SYSTEM EFFICIENCY

A gear oil needs to protect and lubricate efficiently. Shell Omala S4 GX is designed to increase productivity by helping equipment to meet or exceed its design capabilities. Shell Omala S4 GX

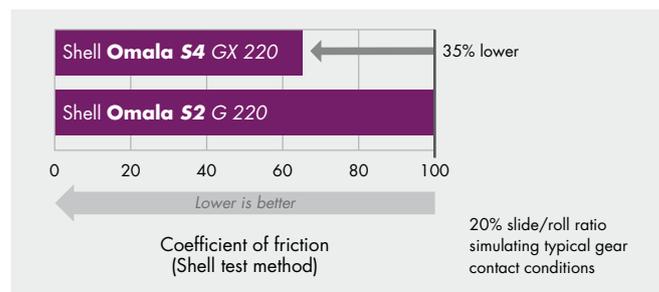
### ■ provides up to 78% faster water separation

to help ensure efficient and consistent lubrication



### ■ has a 35% lower friction coefficient

than Shell Omala S2 G.



## SPECIFICATIONS AND APPROVALS

Shell Omala S4 GX meets the requirements of a wide range of industrial bodies and equipment manufacturers, and is available in viscosity grades from ISO 68 to 1000.

Claims and approvals	Meets requirements
Approved for wind turbine gearboxes by <ul style="list-style-type: none"> <li>■ Gamesa</li> <li>■ Dongfang Wind Turbine</li> <li>■ Dalian Heavy Industries</li> <li>■ Sinovel</li> </ul>	ANSI/AGMA 9005-E02 (EP) David Brown S1.53.106 ISO 12925-1 Type CKD US Steel 224 DIN 5157-3 (CLP)

### APPLICATIONS

Suitable for use in a wide range of enclosed industrial gearboxes, particularly those under high load where enhanced micropitting protection is required

Systems requiring high levels of reliability – particularly recommended for remote installations such as wind turbines, where maintenance is infrequent and access can be difficult

Extended life operations – for long-life applications, particularly where extreme temperatures or pressures may be encountered

## REAL-WORLD VALUE DELIVERY

Users of Shell Omala S4 GX have benefited from exceptional protection that adds value to their operations. For instance, by switching to Shell Omala S4 GX some customers have

- increased equipment protection: customers have reported that gearbox failures have been virtually eliminated: one customer reports saving over \$50,000<sup>1</sup> a year
- extended oil-drain intervals: some equipment manufacturers approve Shell Omala S4 GX for four-year intervals, and customers have extended oil-drain intervals by up to five times for wind turbines and other applications
- increased operational efficiency: wind turbine operators have increased availability by reducing oil-related shutdowns.

## 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.

<sup>1</sup> Saving 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.

For more information, please contact

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

