

### **DESIGNED TO CUT COSTS**

Equipment breakdown at a construction site can severely compromise your project schedule and prevent your company from earning revenue. In the construction industry, you are constantly striving to meet deadlines, lower operating costs and maximise equipment availability. Whether you need a reliable lubricant supply for remote projects or increased equipment availability, Shell has a wide range of lubricants and services designed to meet your needs.

These products can help you to reduce your process and equipmentownership costs by providing

- enhanced protection
- extended oil and equipment life
- enhanced efficiency.

## **DELIVERING VALUE**

Using the right lubricants can significantly reduce costs by

- cutting unplanned equipment downtime
- lowering maintenance costs
- increasing equipment life and availability.

## **TECHNOLOGY WORKING FOR YOU**

Shell harnesses technology to deliver value through the creation of solutions, such as energy-efficient and long-life lubricants, in response to customers' needs. It makes a significant investment each year in the research and development of new lubricant products at cutting-edge laboratories in Asia, Europe and North America. All Shell Lubricant products are subjected to rigorous development programmes, and Shell works closely with a number of equipment manufacturers to develop products for use in your equipment. The benefits of Shell lubricants are then demonstrated in construction projects around the world.

**EXTENDED EQUIPMENT AND OIL LIFE:** A construction company reported wear in its cranes' main-boom-hoist gearboxes. It decided to switch to using Shell Omala S4 WE gear oil, which offers greater wear protection and extended oil life. The company reports annual savings of over \$289,0001 associated with reduced parts replacement, labour costs, and crane downtime.



# **PROTECTION EFFICIENT**

INCREASINGLY

# **ADVANCED** Shell **Rimula R4** L **PREMIUM**

Shell Gadus S3 V460D 2 grease, which performs well

the company reports a 28% reduction in operating costs.

in water-contaminated environments. With the new grease,

**DIESEL ENGINE OILS** 

SYNTHETIC TECHNOLOGY

Shell **Rimula R5** LE











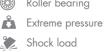


Mining/mobile applications









\* High temperature



**PRODUCT SELECTION GUIDE** 

Shell **Gadus 54** OG

Shell **Gadus 54** V45AC

SYNTHETIC TECHNOLOGY

Shell **Gadus 53** V460D

**PINS AND BUSHINGS** 

hell **Gadus 52** 

THREAD COMPOUND

Shell **Gadus 52** V220AD

PINS AND BUSHINGS

1\* \$ @ 0

MOBILE OPEN GEAR

A of A

**GREASES** (Many other greases available)

Shell **Gadus** *55 V220* 

Shell **Gadus 53** *V460* 

Shell **Gadus 52** V220AC

Shell **Gadus 52** V220

0 0 4 4

SYNTHETIC

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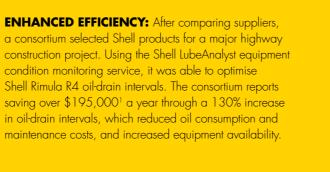


→ Wire cable

## **FULL PRODUCT PORTFOLIO**

Shell offers a comprehensive product range that is designed to help you easily select the right lubricants for your needs, including

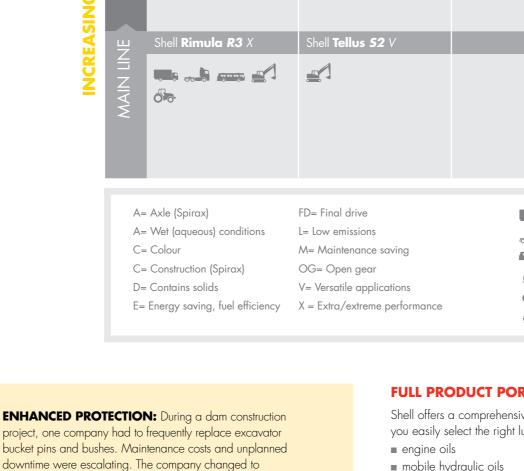
- mobile hydraulic oils
- greases
- transmission and gearbox oils.



## **WORLD-CLASS SERVICES**

The Shell LubeAnalyst oil condition monitoring service is also offered as a health check for your lubricants and machinery. It is designed to reduce costs and add value by

- identifying potential oil or equipment failures before they result in damage or failures
- extending lubricant life, thus reducing change-out downtimes and procurement costs
- reducing risks and contributing to safe and reliable operations.



**HYDRAULIC SYSTEM** 

AND HYDROSTATIC

Shell Spirax S6 CXME

Shell **Spirax 54** CX

**DRIVE OILS** 

SYNTHETIC

**POWER SHIFT** 

SYNTHETIC

TRANSMISSION OILS

Shell Spirax S6 CXME

Shell **Spirax 54** CX

TRANSFER AND

SYNTHETIC

**DIFFERENTIAL GEAR**,

Shell **Spirax** *56* AXME

Shell **Spirax** *55 CFD* 

Shell **Spirax 54** CX

Shell Spirax 53 AX

Shell **Spirax 52** A

AND FINAL DRIVE OILS





SPEAK TO YOUR SHELL LUBRICANTS DISTRIBUTOR FOR MORE INFORMATION.

# **WORKING WITH INDUSTRY**

Construction equipment often needs to operate in remote off-highway locations with a range of climatic conditions, which can put additional demands on the lubricants. To respond to market needs, Shell is continually developing its products to help you reduce operating costs and keep your equipment working efficiently.

Shell has long-standing relationships with many of the leading equipment manufacturers. Many of these companies deliver their equipment to their customers containing a Shell lubricant as an essential component of the machine.

Shell's has over 3,000 cases where its lubricants are approved by or meet the specifications of equipment manufacturers, including

- Caterpillar
- JCB
- Sany
- Volvo,

and component manufacturers, including

- Bosch Rexroth
- Carraro
- ZF Friedrichschafen.

Shell supports the development of new industry performance specifications by working with international organisations such as

- ACEA
- API
- JASO.

# **EFFICIENCY FOR YOUR OPERATIONS**

Over many years of working with some of the world's leading construction companies, Shell lubricant experts have developed a deep understanding of your industry challenges. They use this knowledge and experience to create technology-leading products than can deliver clear benefits, which can be demonstrated at your sites.

<sup>&</sup>quot;Shell Lubricants" refers to the various Shell companies engaged in the lubricants business.

<sup>&#</sup>x27;Savings reported by individual customers. Actual savings may vary, depending on the application, the current oil used, the maintenance procedures and the condition of the equipment.