**Shell Lubricants**

Shell lubricants is named a global leader in lubricants (Kline & Company 2009) and has a 60-year history of innovation. It is constantly investing to develop better lubrication solutions, including advanced synthetic technologies such as:

- **Shell Omala 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 ShellubeAnalyst oil condition monitoring service, which is designed to help 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.

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### FULL PRODUCT AND SERVICE PORTFOLIO

**Shell Tellus**

- **S4 ME**
  - Extra long life
  - Energy saving
  - Synthetic, ashless
  - HM/22, 32, 46, 68
  - Approved by: Denison Hydraulics, Cincinnati Machine, Eaton (Vickers), Bosch Rexroth and many other equipment manufacturers
  - Industry standards: ASTM D6158, ISO 11158, DIN 51524-2

- **S3 M**
  - Long life and improved protection
  - Industrial applications
  - Mineral, ashless
  - HM/22, 32, 46, 68, 100
  - Approved by: Denison Hydraulics, Eaton (Vickers), Cincinnati Machine and many other equipment manufacturers
  - Industry standards: ISO 11158, DIN 51524-3, ASTM D6158

- **S2 V**
  - Extra protection
  - Industrial applications
  - Mineral, zinc-based
  - HV/15, 32, 46, 68, 100
  - Approved by: Denison Hydraulics, Cincinnati Machine, Eaton (Vickers) and many other equipment manufacturers
  - Industry standards: ISO 11158, ASTM D6158-05, DIN 51524-3

- **S2 M**
  - Extra protection
  - Industrial applications
  - Mineral, zinc-based
  - HM/22, 32, 46, 68, 100
  - Approved by: Denison Hydraulics, Cincinnati Machine, Eaton (Vickers), Bosch Rexroth and many other equipment manufacturers
  - Industry standards: ISO 11158, ASTM D6158-05, DIN 51524-2

**Shell Hydraulic S1 M**

- **Reliable protection
  - Industrial applications
  - Mineral, zinc-based
  - HM/32, 46, 68
  - ISO 11158**

**Speciality grades**

- **Shell Tellus S4 V**
  - Ultra-low temperature
  - Versatile application
  - Special base oils, ashless
  - HV/32
  - Approved by: Komatsu Mining, Komatsu and DIETZ automation (servo valve and proportional valve test equipment)

- **Shell Tellus S2 V**
  - Extra protection
  - Water tolerant
  - Industrial applications
  - Mineral, zinc-based, detergent
  - HV/46
  - Industry standards: DIN 51502, ISO 6743/4, ISO 11158, ASTM 6158-05

- **Shell Irus**
  - Fire-resistant and less flammable fluids for special applications
  - Contact your Shell representative for details

- **Shell Naturelle**
  - A full range of environmentally considerate hydraulic oils
  - Contact your Shell representative for details

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**DESIGNED TO PERFORM UNDER THE TOUGHEST CONDITIONS.**

**JUST LIKE OUR HYDRAULIC OILS – SHELL TELLUS.**

**DESIGNED TO MEET CHALLENGES.**

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

For more information, please contact your Shell representative.
A RANGE OF HYDRAULIC FLUIDS DESIGNED TO MEET YOUR NEEDS

To meet the challenges of a wide range of hydraulic equipment and applications, Shell has designed a portfolio of fluids that enables you to choose a product to best match your needs.

THE SHELL TELLUS “M” RANGE
Industrial, manufacturing and machine use

THE SHELL TELLUS “V” RANGE
Extended temperature operation for manufacturing and mobile machine use

THE SHELL TELLUS SPECIALITY RANGE
Detergent-based fluids for use where water contamination is possible

WEAR PROTECTION
The hydraulic pump is the heart of your hydraulic system. Any wear can reduce efficiency and system service life. The Shell Tellus range of hydraulic fluids offers a range of options, including the latest synthetic, oil-soluble technology, that are designed to help extend pump life, even under the most severe conditions, through to proven, cost-effective, zinc-based additive technology for general use.

OIL LIFE
The longer the oil life, the less fluid maintenance is required to help your equipment operate for longer without interruption. The Shell Tellus range of hydraulic fluids enables you to match the oil life of the fluid to your operational needs. It includes extra-long-life synthetic technologies capable of up to four times standard life², through to cost-effective, reliable products for less-demanding applications.

SYSTEM EFFICIENCY
To help your equipment perform to its design standards, the hydraulic fluid needs to protect, lubricate and help transmit power in the most effective way possible. Shell Tellus hydraulic fluids are designed to help maintain or even improve the efficiency of hydraulic systems. From Shell Tellus S4 ME, which can improve the energy efficiency of many hydraulic systems, to Shell’s high-quality mainstream products that provide reliable air release, filterability and cleanliness, there is a choice that can help to optimise your system’s efficiency and costs of operation.

REAL-WORLD VALUE DELIVERY
While many other companies design their fluids for the individual components of a hydraulic system such as the pump, Shell Lubricants looks at the system more broadly. For instance, Shell Tellus S4 ME has been designed to benefit the complete system. The result is a fluid that:
- is statistically proven to help improve the energy efficiency of the system in which it is used. In a carefully controlled test cycle, one injection moulding equipment maker measured energy savings of up to 6.4% in the hydraulic systems in which Shell Tellus S4 ME was used.
- can help to increase oil life by up to four times compared with conventional oils in the Shell range.
- can help to prolong equipment life through excellent hydraulic pump wear protection.

The Shell Tellus range of hydraulic fluids has been developed to enable equipment operators to select the oil that can help deliver optimum value to their operations through enhanced wear protection, long oil life and high system efficiency.

EVERY PART OF YOUR MACHINE OR PROCESS HAS BEEN METICULOUSLY ENGINEERED, SO YOU WANT TO BE SURE THAT YOU CHOOSE A LUBRICANT THAT HAS BEEN DESIGNED TO ENSURE THAT YOUR EQUIPMENT IS WELL PROTECTED AND WORKS EFFICIENTLY.

IMPROVED CLEANLINESS
All Shell Tellus products now meet the demanding cleanliness requirements of the DIN industry standard to help provide extra protection, improved filter performance and less maintenance.

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

¹ Compared with other oils in the Shell range.

² The actual savings depend on the application, the current oil, the maintenance procedures, the equipment condition, the operating conditions and the intensity of hydraulic power usage.