

FROM DOUBLING OIL LIFE TO SURPASSING GOALS

SHELL TELLUS MAKES IT POSSIBLE

The Shell Tellus range of hydraulic oils covers a wide range of equipment and customer needs and offers improved wear protection, oil life and stick-slip control.

shell.com/lubricants

SHELL LUBRICANTS
TOGETHER ANYTHING IS POSSIBLE



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.

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



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, ashless technology that can help to 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 life¹, through to cost-effective, reliable products for less-demanding applications.



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.

SYSTEM EFFICIENCY

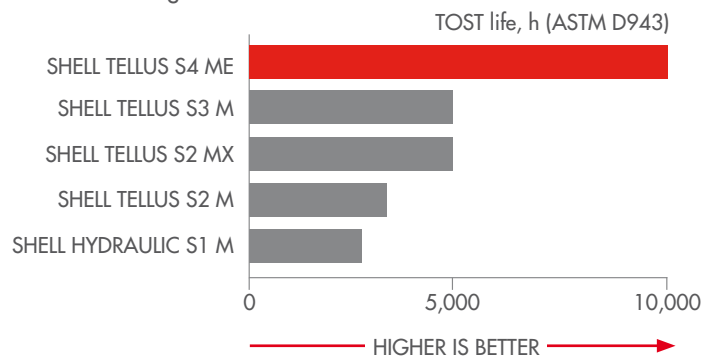
To help your equipment perform to its design standards, the hydraulic fluid needs to protect, lubricate and help transmit power in the most effective way possible. Shell Tellus hydraulic fluids can help maintain or even improve the efficiency of hydraulic systems. From Shell Tellus S4 ME, which can improve the energy efficiency of many hydraulic systems, to new-generation Shell Tellus S2 MX and Shell Tellus S2 VX that provide reliable air release, water separation, filterability, cleanliness and stick-slip performance, 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%² 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.

SHELL TELLUS S4 ME – for the longest oil life in the Shell range



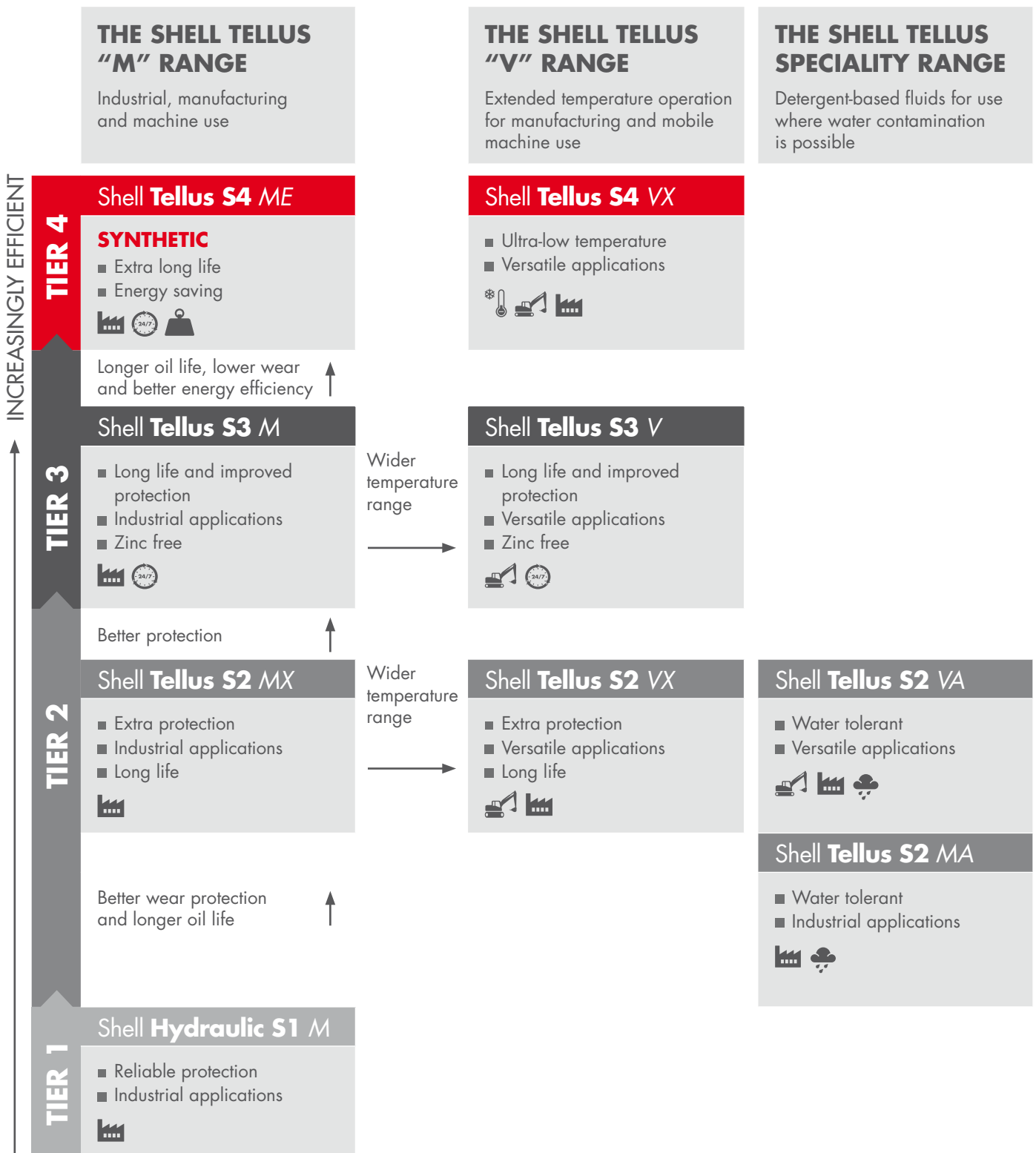
^{*}Shell Lubricants refers to the various Shell companies engaged in the lubricants business.

¹Compared with other oils in the Shell range

²The 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.

A RANGE OF HYDRAULIC FLUIDS TO MEET YOUR NEEDS

Shell has designed a portfolio of fluids that enables you to choose a product to match your needs.



APPLICATION ICON KEY

- Factory/machine applications
- Long life
- High load

- Ultra-low temperature
- Mobile equipment/exterior use
- Wet conditions

PRODUCT-NAME SUFFIX KEY

- A = Water tolerant
- E = Energy saving, high efficiency
- M = Manufacturing/machine: factory applications
- V = Versatile applications
- X = Extra/extreme performance

PRODUCT	BENEFITS	TECHNOLOGY	ISO VISCOSITY GRADES	SPECIFICATIONS AND APPROVALS (Full details of approvals for all products can be obtained from your Shell representative; approvals and claims will vary by viscosity grade.)
Shell Tellus S4 ME	<ul style="list-style-type: none"> ■ 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
Shell Tellus S3 V	<ul style="list-style-type: none"> ■ Long life and improved efficiency ■ Versatile application 	Mineral, zinc free	HV/32, 46, 68	Approved by Denison Hydraulics, Eaton (Vickers), Cincinnati Machine, Bosch Rexroth and many other equipment manufacturers Industry standards: ISO 11158, DIN 51524-3, ASTM D6158
Shell Tellus S3 M	<ul style="list-style-type: none"> ■ Long life and improved protection ■ Industrial applications 	Mineral, zinc free	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
Shell Tellus S2 VX	<ul style="list-style-type: none"> ■ Extra protection ■ Versatile application ■ Long life 	Mineral, zinc-based	HV/15, 22, 32, 46, 68, 100	Approved by Parker Denison, Eaton, Fives (Cincinnati Machine) and many other equipment manufacturers. Industry standards: ISO 11158, ASTM D6158 (HV), US Steel 126, DIN 51524-3
Shell Tellus S2 MX	<ul style="list-style-type: none"> ■ Extra protection ■ Industrial applications ■ Long life 	Mineral, zinc-based	HM/22, 32, 46, 68, 100	Approved by Bosch Rexroth (RDE 90245), Parker Denison, Eaton, Fives (Cincinnati Machine) and many other equipment manufacturers. Industry standards: ISO 11158, ASTM D6158 (HM), US Steel 126, DIN 51524-2
Shell Hydraulic S1 M	<ul style="list-style-type: none"> ■ Reliable protection ■ Industrial applications 	Mineral, zinc-based	HM/32, 46, 68	ISO 11158

SPECIALITY GRADES

Shell Tellus S4 VX	<ul style="list-style-type: none"> ■ 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 VA	<ul style="list-style-type: none"> ■ Extra protection ■ Water tolerant 	Mineral, zinc-based, detergent	LHV/46	Industry standards: DIN 51502, ISO 6743/4, ISO 11158, ASTM 6158-05
Shell Tellus S2 MA	<ul style="list-style-type: none"> ■ Extra protection ■ Water tolerant 	Mineral, ashless, detergent	LHM/10, 32, 46	Approved by Mueller Weingarten (ISO 46) Industry standards: ISO 11158, ASTM 6158-05
Shell Irus C	Water-glycol based fire-resistant fluid			Contact your Shell representative for details
Shell Naturelle HF-E	Environmentally considerate fluid and fire-resistant (MSHA and FM approved)			Contact your Shell representative for details

FULL PRODUCT AND SERVICE PORTFOLIO

Shell Lubricants has been named a global leader in lubricants for nine years in a row (Kline 2015), and Shell Tellus hydraulic fluids have offered benefits to users for 70 years. Shell is constantly investing to develop better lubrication solutions, including advanced synthetic technologies such as

- Shell Omala S4 GXV synthetic gear oil – for long life in demanding applications, Siemens MD approved.
- Shell Corena S4 R air compressor oil – for up to 12,000 hours of protection.

In addition, Shell provides the world-leading Shell LubeAnalyst 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.



Find out more by visiting
www.shell.com/tellus