



SHELL **LUBRICANT** **SOLUTIONS**

FROM DOUBLING OIL LIFE TO SURPASSING GOALS

SHELL HYDRAULIC FLUIDS MAKE IT POSSIBLE

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

shell.us/lubricants

Every part of your machine or process has been meticulously engineered, so you want to be sure to 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 designed to 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, and is cost-effective with 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, and through to cost-effective, reliable products for less demanding applications.



IMPROVED CLEANLINESS

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

SYSTEM EFFICIENCY

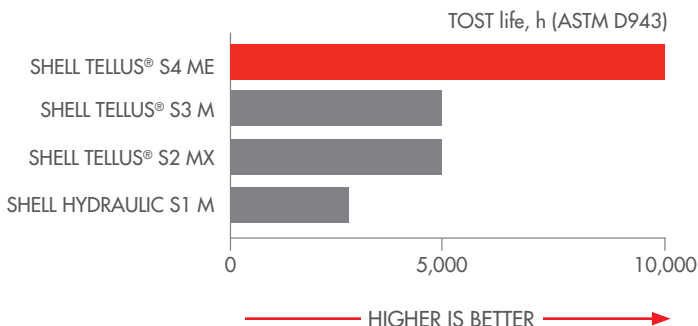
To help your equipment perform to its design standards, the hydraulic fluid needs to protect, lubricate and help transmit power in the most effective way possible. Shell Tellus® hydraulic fluids can help maintain or even improve the efficiency of hydraulic systems. From Shell Tellus® S4 ME, which can help improve the energy efficiency of many hydraulic systems, to 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

Shell does not just design fluids for the individual components of a hydraulic system such as the pump, we look 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:

- can help improve the energy efficiency of the system in which it is used
- can help to increase oil life by up to four times compared with conventional oils in the Shell range²
- 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

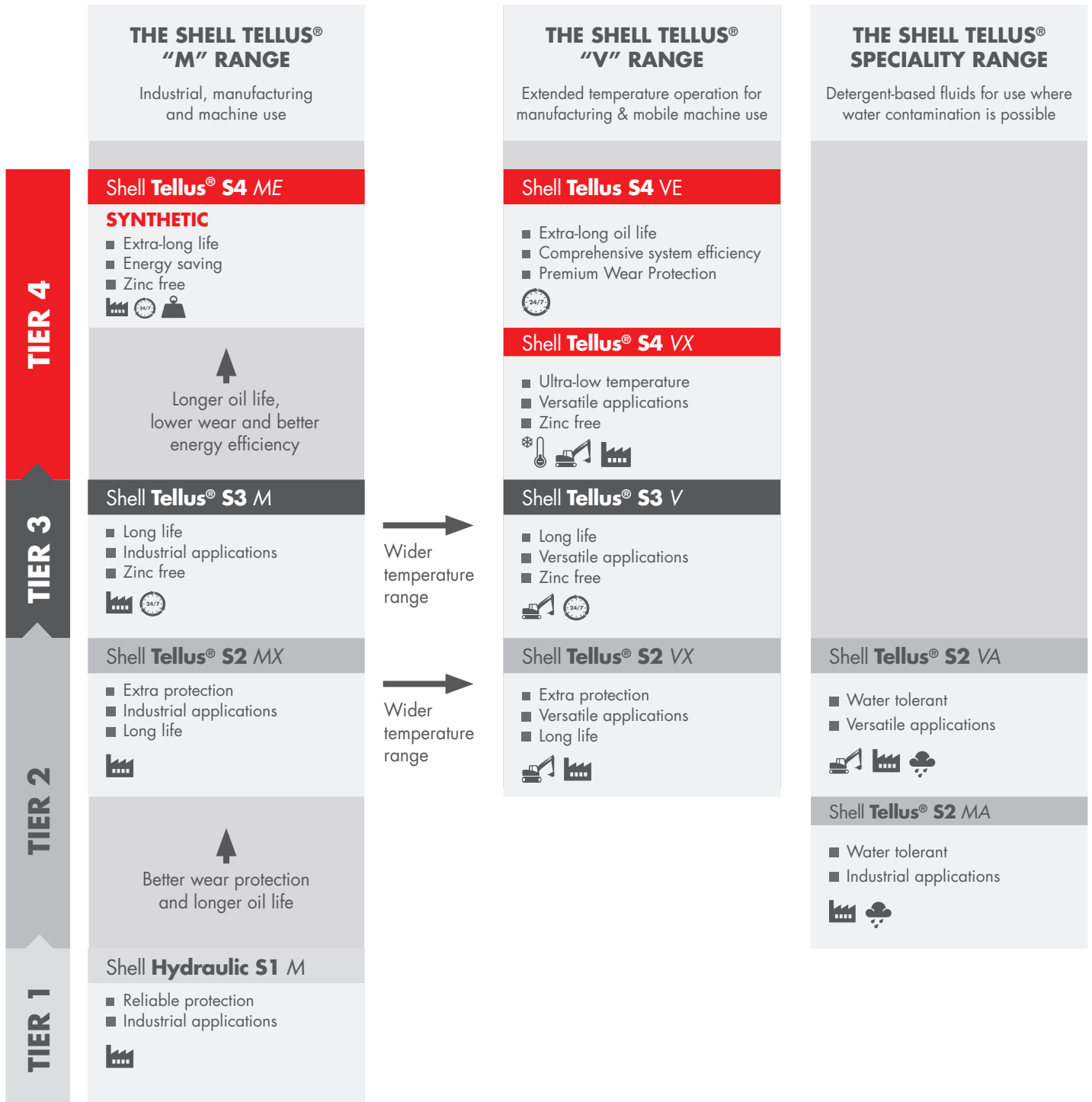


¹Compared with other oils in the Shell range

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.






PRODUCT-NAME SUFFIX KEY

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

APPLICATION ICON KEY

-  Factory/machine applications
-  Long life
-  High load

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

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 VE	<ul style="list-style-type: none"> ■ Extra long life ■ Premium Protection ■ Energy Efficiency ■ Wider Operating Temperature Window 	Advanced Synthetic, zinc-based	32, 46, 68	Approved by Fives Group, Eaton, Bosch Rexroth and many other equipment manufacturers. Denison approved fluid. Industry standards: ASTM D6158, ISO 11158, DIN 51524-3
Shell Tellus® S4 ME	<ul style="list-style-type: none"> ■ Extra long life ■ Energy saving 	Synthetic, ashless	32, 46	Approved by Fives Group, Eaton, Bosch Rexroth and many other equipment manufacturers. Denison approved fluid. 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	46, 68	Approved by Fives Group, Eaton, Bosch Rexroth and many other equipment manufacturers. Denison approved fluid. 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	32, 46, 68, 100	Approved by Fives Group, Eaton, Bosch Rexroth and many other equipment manufacturers. Denison approved fluid. 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 Eaton, Fives Group, Bosch Rexroth (RDE 90245) and many other equipment manufacturers. Denison approved fluid. 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), Eaton, Fives Group and many other equipment manufacturers. Denison approved fluid. 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	L-HV/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	46	Approved by Mueller Weingarten (ISO 46) Industry standards: ISO 11158, ASTM 6158-05
SHELL FIRE-RESISTANT HYDRAULIC FLUIDS				
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
Shell Water-Glycol S3 CX	<ul style="list-style-type: none"> ■ Fire Resistant ■ High Pressure Performance ■ Antiwear Performance 	water-based	46	Approved by FM Global. For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.
Shell Water-Glycol S2 C	<ul style="list-style-type: none"> ■ Fire Resistant ■ Antiwear Performance ■ Corrosion Protection 	water-based	32, 46, 68	Approved by FM Global. For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.
Shell EcoSafe S3 DU	<ul style="list-style-type: none"> ■ Enhanced sludge and varnish protection ■ Readily biodegradable 	PAG-based	32, 46, 68, 100	Approved by FM Global and many other equipment manufacturers. For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.
Shell EcoSafe S1 DU	<ul style="list-style-type: none"> ■ Fire Resistant ■ Readily biodegradable ■ USDA Certified BioPreferred® Product 	PAG-based	32, 40, 60	Approved by FM Global. For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.
Shell Fire-Resistant Hydraulic Fluid HFA	<ul style="list-style-type: none"> ■ Enhanced sludge and varnish protection ■ Readily biodegradable 	PAG-based	32, 46	Approved by FM Global and many other equipment manufacturers. For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.
Shell Biodegradable Hydraulic Fluid	<ul style="list-style-type: none"> ■ Polyalkylene glycol (PAG) based ■ Readily biodegradable 	PAG-based	32, 46, 68	VGP 2013. For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.



Find out more by visiting
www.shell.us/lubricants

"Shell lubricants" refers to the various Shell companies engaged in the lubricant business.
 © SOPUS Products 2021. All rights reserved. CS17193-18