DESIGNED FOR OPTIMUM SYSTEM EFFICIENCY

WHAT TO RECOMMEND

Shell Tellus S2 MX **Shell Tellus S2 VX**

HIGH-PERFORMANCE HYDRAULIC OILS

KEEPING YOU MOVING 24/7, 365 DAYS A YEAR

WHY

ADVANCED WEAR **PROTECTION**[1] IMPROVED RELIABILITY

LONG OIL LIFE[2] REDUCED MAINTENANCE EXPENDITURE[3]

OPTIMISED SYSTEM **EFFICIENCY**[4] **AND PERFORMANCE**

PROTECTS AND LASTS[2]

DECREASE DOWNTIME

LOWER WEAR RATE

55% IN CAM RINGS[5]

65% IN VANES BASED ON AN EATON 35VQ 25 PUMP[5]

OIL LIFE LASTS UP TO

3× LONGER IN OPERATION THAN THE INDUSTRY STANDARDS AND ORIGINAL EQUIPMENT MANUFACTURERS' (OEM) LIMITS[2]

RUN LONGER, RUN BETTER

4,000 FURTHER PROOF OF EXCELLENT OXIDATION STABILITY WITH A 1,000-h PASS IN A2F10

SMOOTHER, CLEANER SYSTEMS; IMPROVED SLUDGE[6] RESISTANCE AND STICK–SLIP PERFORMANCE[7]

HIGH ELECTRICAL CONDUCTIVITY PROVIDING SAFETY BENEFITS IN SYSTEMS SENSITIVE TO ELECTRIC DISCHARGE SUCH AS FINE FILTRATION UNITS[8]

WHO TO

RECOMMEND SHELL TELLUS S2 MX AND SHELL TELLUS S2 VX

TO **EXTEND** OIL LIFE AND **REDUCE** MAINTENANCE COSTS[2]

TO REDUCE THE RISKS TO **WARRANTY** OR EQUIPMENT **PERFORMANCE** FROM UNSUITABLE HYDRAULIC OIL[9]

RECOMMEND SHELL TELLUS S2 VX

FOR EQUIPMENT OPERATING WITHIN WIDE TEMPERATURE RANGES

TECHNOLOGY

GET ADVANCED PROTECTION FROM SHELL TELLUS S2 MX AND SHELL TELLUS S2 VX

DECREASE DOWNTIME – PROVEN PROTECTION, EVEN IN HARSH ENVIRONMENTS; PREVENTS UNEXPECTED BREAKDOWNS AND INCREASES PRODUCTIVITY

RUN LONGER; RUN BETTER – RESISTS SLUDGE FORMATION, PROTECTS THE SYSTEM, AND IMPROVES SERVICE LIFE OF OIL AND MACHINE COMPONENTS, WHICH INCREASES PRODUCTIVITY AND RETURN ON INVESTMENT

Rexroth Bosch Group

MEETS THE NEW **BOSCH REXROTH FLUID RATING LIST RDE 90245**

EXCELLENT PERFORMANCE, IN EVEN MORE SEVERE CONDITIONS. THE NEW BOSCH REXROTH FLUID RATING INCREASES THE OIL STRESS FACTOR BY 13 TIMES[10]

PEACE OF MIND

OEMS AND PARTNERS USE AND TRUST

Shell Tellus

SHELL LUBRICANT SOLUTIONS HAS LONG-STANDING RELATIONSHIPS WITH MANY OF THE LEADING EQUIPMENT AND COMPONENT MANUFACTURERS.

[1] Much lower wear compared with the stringent Bosch Rexroth limit based on the pump piston weight loss RDE 90245 RFT-APU-CL rig test. [2] Compared using TOST ASTM D943 and RPVOT ASTM D2272 tests. [3] The potential savings may vary from site to site and from time to time, depending on, for example, the application, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices. [4] Compared with the ISO 13357-1 filterability test limit, ASTM D1401 water separation limit and IP 313 air release limit. [5] Compared with the OEM wear test Eaton 35VQ25 (E-FDGN-TB002-E) limit. [6] Compared with the TOST ASTM D4310 sludge test limit. [7] Compared with a competitor's mineral oil. [8] Compared with ASTM D2624 limits. [9] The potential gains in productivity may vary from site to site and from time to time, depending on, for example, the application, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices. [10] Compared with the legacy pump test, which is the Eaton 35VQ25 test and widely recognised as a typical mainstream hydraulic fluid qualification.

SHELL LUBRICANT SOLUTIONS

SHELL LUBRICANT PRODUCT SPECIFICATIONS

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	■ Energy efficiency ■ Extended oil life ■ Sludge and varnish control	GTL synthetic zinc-based	HV/32, 46, 68	**Approved by** Bosch Rexroth (latest RDE 90245), Denison, Eaton and many other equipment manufacturers. **Industry standards:** ISO 11158 (HV); DIN 51524-3 (HVLP); GB 11118.1-2011 (L-HV) and GB 11118.1-2011 L-HS; and JCMAS* P 041:2004 normal and low temperature *Meets this standard (JCMAS)
Shell Tellus S4 ME	■ Extra long life ■ Energy saving	Synthetic, ashless	HM/32, 46, 68	**Approved by** Denison, Eaton and many other equipment manufacturers. **Industry standards:** ISO 11158 (HM); DIN 51524-2 (HLP); and GB 11118.1-2011 (L-HM general and high pressure)
Shell Tellus S4 VK	■ Ultra-low temperature ■ Versatile application ■ Shear stable	GTL synthetic zinc-based	HV/32, 46,	**Approved by** Eaton and Denison. **Industry standards:** ISO 11158 (HV); DIN 51524-3 (HVLP)
Shell Tellus S4 VX	■ Ultra-low temperature ■ Versatile application	Synthetic, ashless	HM/32	**Approved by** Komatsu Mining, Komatsu and DIETZ automation
Shell Tellus S3 Z	■ Longer oil life ■ Enhanced protection ■ Industrial applications	Group II/GTL synthetic blend	HM/32, 46, 68	**Approved by** Bosch Rexroth (latest RDE 90245), Denison, Eaton and many other equipment manufacturers. **Industry standards:** ISO 11158 (HM); DIN 51524-2 (HLP); and GB 11118.1-2011 (L-HM general and high pressure)
Shell Tellus S3 V	■ Long life and improved efficiency ■ Versatile application	Group II mineral, ashless	HV/32, 46, 68	**Approved by** Denison, Eaton and many other equipment manufacturers. **Industry standards:** ISO 11158 (HV); and DIN 51524-3 (HVLP)
Shell Tellus S3 M	■ Long life and improved protection ■ Industrial applications	Group II mineral, zinc free	HM/22, 32, 46, 68, 100	**Approved by** Denison, Eaton) and many other equipment manufacturers. **Industry standards:** ISO 11158 (HM); DIN 51524-2 (HLP); and GB 11118.1-2011 (L-HM general and high pressure)
Shell Tellus S2 VX	■ Extra protection ■ Versatile application ■ Long life	Group II mineral, zinc-based	HV/15, 22, 32, 46, 68, 100	**Approved by** Bosch Rexroth (latest RDE 90245), Denison, Eaton and many other equipment manufacturers. **Industry standards:** ISO 11158 (HV), DIN 51524-3 (HVLP), GB 11118.1-2011 (L-HV)
Shell Tellus S2 MX	■ Extra protection ■ Industrial applications ■ Long life	Group II mineral, zinc-based	HM/32, 46, 68, 100	**Approved by** Bosch Rexroth (latest RDE 90245), Denison, Eaton and many other equipment manufacturers. **Industry standards:** ISO 11158 (HM), DIN 51524-2 (HLP), GB 11118.1-2011 (L-HM general and high pressure)
Shell Hydraulic S1 M	■ Reliable protection ■ Industrial applications	Mineral, zinc-based	HM/32, 46, 68	**Industry standards:** ISO 11158 (HM); DIN 51524-2 (HLP) and DIN 51524-2 (HLP); and GB 11118.1-2011 (L-HM general)
SPECIALITY GRADES				
Shell Tellus S2 VA	■ Extra protection ■ Water tolerant	Mineral, zinc-based, detergent	L-HV/46	**Industry standards:** ISO 11158 (HV)* and DIN 51524-3 (HVLPD)* *Meets DIN and ISO specifications but as high-detergency hydraulic oil not in the presence of water
Shell Tellus S2 MA	■ Extra protection ■ Water tolerant	Mineral, ashless, detergent	L-HM/10, 32, 46	**Approved by** Arburg (VG 46) and Müller Weingarten (VG 46). **Industry standards:** ISO 11158 (HM)
Shell Fire-Resistant/ Water-Glycol	Portfolio of fire-resistant hydraulic fluids			Contact your Shell representative for details
Shell Naturelle	Range of environmentally acceptable lubricants (EALs) including hydraulic fluids			Contact your Shell representative for details

SERVICES

Shell LubeAnalyst Oil and equipment monitoring

Shell LubeCoach Lubrication training

Shell LubeAdvisor Expert advice

Shell LubeMatch Find the right oil

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