



DESIGNED FOR OPTIMUM HYDRAULIC SYSTEM PERFORMANCE



WHAT TO RECOMMEND

Shell
Tellus S3 Z

GAS-TO-LIQUID (GTL) HYDRAULIC OILS
KEEPING YOU MOVING 24/7 365 DAYS A YEAR



ADVANCED WEAR PROTECTION¹
GREATER RELIABILITY



LONGER OIL LIFE²
REDUCED MAINTENANCE SPEND



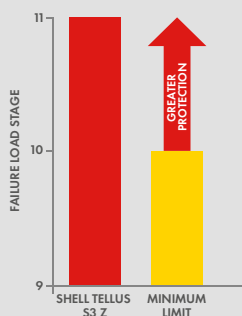
ENHANCED PRODUCTIVITY³
SYNTHETIC BLEND WITH GTL TECHNOLOGY

SHELL TELLUS S3 Z – LONGER LIFE AND ENHANCED PRODUCTIVITY³



WHY

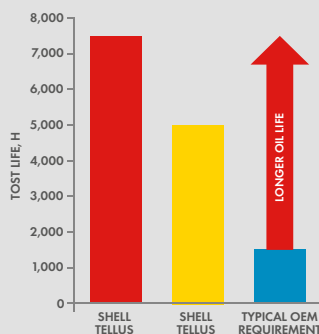
ADVANCED WEAR PROTECTION¹
EXCEEDS TOUGH STANDARDS



MEETS DENISON T6H20 AND EATON VICKERS 35VQ25 STANDARDS

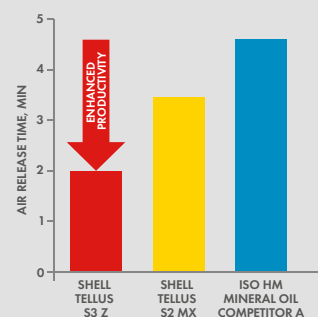
LONGER OIL LIFE

5× LONGER TOST LIFE THAN TYPICAL OEM REQUIREMENTS²



ENHANCED PRODUCTIVITY

2× QUICKER AIR RELEASE³



WHO TO

RECOMMEND SHELL TELLUS S3 Z



TO **INCREASE** PRODUCTIVITY



TO **EXTEND** OIL LIFE AND **REDUCE** MAINTENANCE COST



TO REDUCE RISK TO **WARRANTY** OR EQUIPMENT **PERFORMANCE** ASSOCIATED WITH USING INFERIOR OILS



TECHNOLOGY

GTL TECHNOLOGY

WE USE GTL TECHNOLOGY TO PRODUCE A CLEANER AND PURER BASE OIL WITH A HIGHER VISCOSITY INDEX, LOWER VOLATILITY, LOW-TEMPERATURE BENEFITS AND BETTER OXIDATION STABILITY. THIS HELPS TO GIVE SYNTHETIC-BLEND SHELL TELLUS S3 Z **ADVANCED WEAR PROTECTION, LONGER OIL LIFE AND ENHANCED PRODUCTIVITY.**



TRUST



OEMS AND PARTNERS USE AND TRUST

Shell
Tellus

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



¹FZG wear tests (ISO 14635-1), ISO VG46, based on third-party testing. ²7,500 hours in the Turbine Oxidation Stability Test (TOST) (ASTM D943) compared with a typical OEM requirement of 1,500 hours. ³2 minutes air release time in the ASTM D3427 test compared with 4.6 minutes for a competitor mineral oil. ⁴Compared with legacy Eaton 35VQ25 pump test, widely recognised as a typical mainstream hydraulic fluid qualification.

SHELL LUBRICANTS
TOGETHER ANYTHING IS POSSIBLE

SHELL LUBRICANTS PRODUCT SPECIFICATION

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	■ Extra long life ■ Energy saving	Synthetic, ashless	HM/32, 46, 68	Approved by Denison, Eaton, Bosch Rexroth (RD 90220-01) 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 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 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, zinc-based	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, Bosch Rexroth (RD 90220-01) 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, Bosch Rexroth (RD 90220-01) 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	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	Approved by Bosch Rexroth (RD 90220-01) 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 Bosch Rexroth (RD 90220-01), Arburg (VG 46) and Müller Weingarten (VG 46) Industry standards: ISO 11158 (HM)
Shell IruS	Portfolio of fire-resistant hydraulic fluids			Contact your Shell representative for details
Shell Naturelle	Range of environmentally considerate lubricants including hydraulic fluids			Contact your Shell representative for details

SERVICES

Shell LubeAnalyst Oil and equipment monitoring service **Shell LubeCoach** Lubrication training **Shell LubeAdvisor** Expert advice from the Shell technical team



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

