Shell **Tellus *S3*** *M*

- Long life and improved protection
- Industrial applications

DESIGNED TO MEET CHALLENGES

Every part of your machine or process has been meticulously engineered, so you want to use 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

- **wear protection**
- **oil life**
- **system efficiency.**

Performance at a glance

	Protection	Oil life	System efficiency
Shell **Tellus *S4*** *ME* ■ Extra long life ■ Energy saving	✓✓✓✓✓	✓✓✓✓✓	✓✓✓✓✓
Shell **Tellus *S3*** *M* ■ Long life and improved protection ■ Industrial applications	✓✓✓✓	✓✓✓✓	✓✓✓
Shell **Tellus *S2*** *M* ■ Extra protection ■ Industrial applications	✓✓✓	✓✓✓	✓✓✓

Performance level is a relative indication only.

A PREMIUM ZINC-FREE INDUSTRIAL HYDRAULIC FLUID

Shell Tellus S3 M uses a unique, advanced, zinc-free anti-wear technology to deliver up to twice the life of Shell's conventional mainstream products, improved pump protection and high efficiency levels. Engineered to work under hot and heavy load conditions, it is ideal for most manufacturing and many mobile equipment operations.

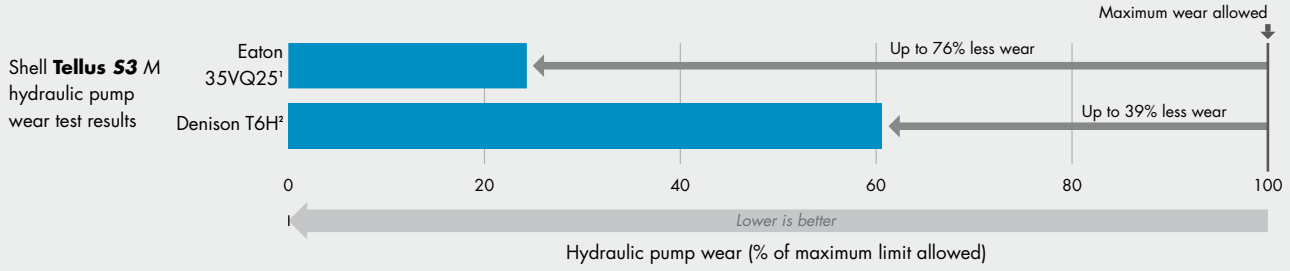
In addition, its reduced environmental impact (low toxicity towards aquatic life) can help progressive operators to manage the environmental impact of their operations.

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.

DESIGNED TO PROTECT

Protecting components from damage can help to increase service life and maximise your return on investment. Shell Tellus S3 M can help to achieve this by providing

- ***up to 76% less wear***
  in demanding industry specification pump tests.
- ***superior load-carrying capacity.***
  Shell Tellus S3 M exceeds the industry standard for gear wear of 'load stage 10' by two load stages (load stage 12).

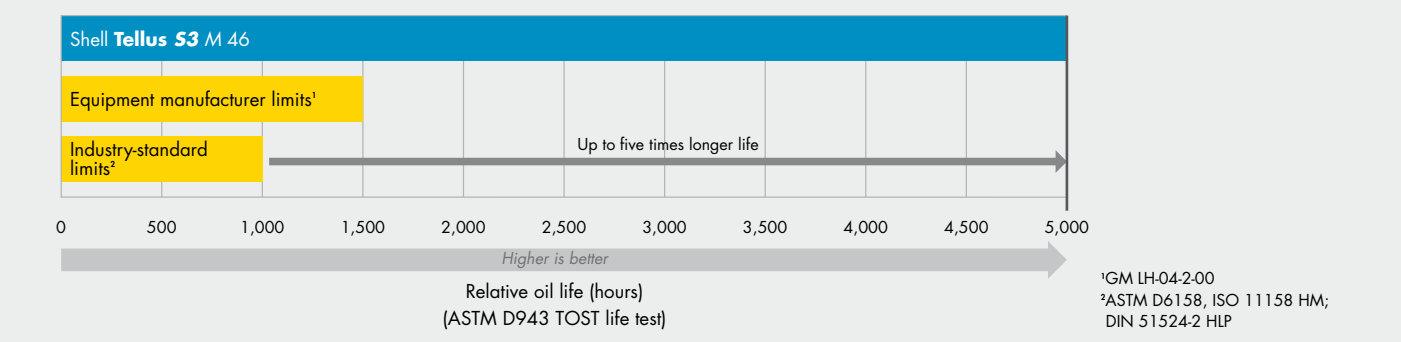


[1] Eaton brochure 694 (formerly I-286-S and M-2950-S)
[2] Parker Hannifin (formerly Denison Hydraulics) HF0, HF1 and HF2

DESIGNED FOR LONG OIL LIFE

Limiting fluid degradation can help to prolong oil life. Shell Tellus S3 M is designed to help you operate your equipment for longer without interruption – for reduced maintenance requirements and enhanced productivity. In the industry-standard oil life test, Shell Tellus S3 M achieved

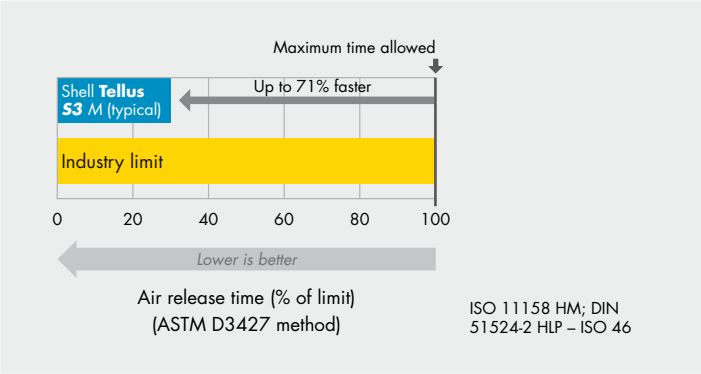
- ***up to five times longer oil life***
  than the industry minimum.



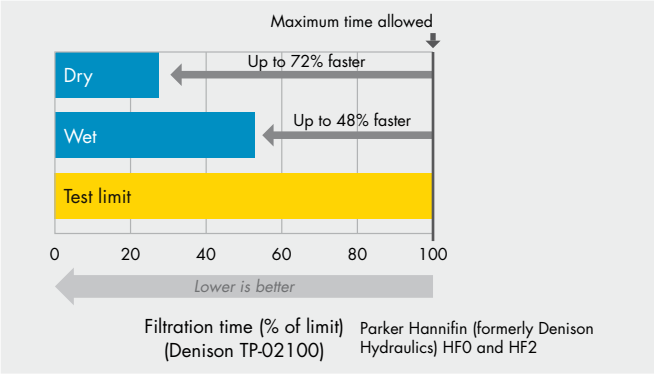
DESIGNED FOR HIGH EFFICIENCY

A hydraulic fluid needs to protect, lubricate and transmit power efficiently. Shell Tellus S3 M is designed to help maximise productivity by helping equipment to meet or exceed its design capabilities. Compared with the industry minimum requirements, it offers

- ***up to 71% faster air release***
  for efficient and precise hydraulic power transmission



- ***up to 72% better filterability***
  to help ensure clean oil, low pressure loss and more efficient operation.



SPECIFICATIONS AND APPROVALS

Shell Tellus S3 M meets the requirements of a wide range of industry bodies and equipment manufacturers. ISO viscosity grades available: 22, 32, 46, 68, 100.

Claims and approvals	Meets requirements
MAG P-68 (ISO 32) MAG P-70 (ISO 46) MAG P-69 (ISO 68)	ISO 11158 HM fluids
Parker Hannifin HF-0, HF-1, HF-2	AFNOR NF-E 48-603
Eaton 694	ASTM D6158 (HM mineral oils)
	DIN 51524-2 (HLP oils)
	Swedish Standard SS 15 54 34 AM

APPLICATIONS

- Factory-based industrial hydraulic applications – approved by a range of leading equipment manufacturers
- Severe-duty, extended-operation and high-load applications – where long life and extra protection is needed
- Mobile and outdoor applications – for climates with limited variation in temperature. (Shell Tellus S3 V is recommended for wider variations.)

REAL-WORLD VALUE DELIVERY

A wide variety of customers has unlocked value by moving to a higher quality hydraulic fluid. For instance, some have

- extended their oil-drain interval by up to a factor of two for lower maintenance costs
- increased their hydraulic pump life: one customer has reported repair savings of over $120,000 a year[1]
- enhanced efficiency for responsiveness and precision of movement from start-up to peak operating temperature.

FULL PRODUCT AND SERVICE PORTFOLIO

Whatever your needs or application, Shell can provide a full range of oils and greases, including synthetic, high-performance products and additional services.

[1]Saving reported by one customer. Actual savings may vary, depending on the application, the current oil used, the maintenance procedures and the condition of the equipment.

For more information, please contact