

The Shell Industrial lubricants range

Shell has over 50 years' experience of producing industrial and automotive lubricants, and as the world's leading lubricants marketer⁴ we're committed to developing new and innovative lubricants technology.

In addition to Shell Tellus EE, we can offer you an extensive range of products. Whether you are looking for the latest value-added products or reliable lubrication solutions, our selection of industrial lubricants products are designed to help meet your operational needs.

ADVANCED TECHNOLOGY LUBRICANTS FOR: • System Efficiency • Wear Protection • Reduced Maintenance

HYDRAULIC SYSTEMS	INDUSTRIAL GEARS	AIR COMPRESSORS	TURBINES	GREASES
Shell Tellus® EE Energy saving capability Long-life, maintenance saving Wide operating temperature range	Shell Omala® HD (Industrial Gear) Low friction formulation Long-life, maintenance saving Enhanced high temperature protection Shell Tivela® S (Worm gears) Energy saving capability Long-life, maintenance saving Enhanced wear and micropitting protection	Shell Corena® AS Maintains system efficiency Long-life, 8000hr maintenance interval capability Excellent air and water separation	Shell Turbo® GT Severe service gas turbines Long oil life Resists thermal breakdown	Shell Stamina® Polyurea Greases Exceptional performance Long lasting Outstanding resistance to thermal degradation

MAINLINE INDUSTRIAL LUBRICANTS RANGE: • Reliable Operation • Wear Protection • Reduced Maintenance

HYDRAULIC SYSTEMS	INDUSTRIAL GEARS	COMPRESSORS & REFRIGERATOR	TURBINES	GREASES
Shell Tellus® High performance hydraulic fluid For most hydraulic applications Shell Tellus® T High performance multigrade hydraulic fluid For mobile and static hydraulic applications	Shell Omala® High performance gear oils For most industrial gear applications	Shell Corena® High quality compressor oils Range of products for rotary (screw) and reciprocating compressor applications Shell Clavus® High quality refrigerator compressor oils	Shell Turbo® High performance turbine oils Range of products for combined cycle, steam and gas turbine applications	Shell Albida® High performance lithium complex greases Shell Alvania® High performance lithium soap greases

SPECIALITY RANGE:

Shell Naturelle®	A full range of oils and greases where environmentally considerate products are required
Shell Cassida®	High performance oils and greases for use in the food and beverage industry

For technical assistance or other inquiries, please call 1-800-237-8645 or visit www.shell-lubricants.com



⁴Source – Kline & Company 2008

Shell TELLUS® EE

Synthetic Hydraulic Fluid for Energy Efficiency

GREATER EFFICIENCY
OUTSTANDING PROTECTION
HELPING TO REDUCE COSTS



DESIGNED TO MEET CHALLENGES



How Shell Tellus® EE can help the efficiency of your business

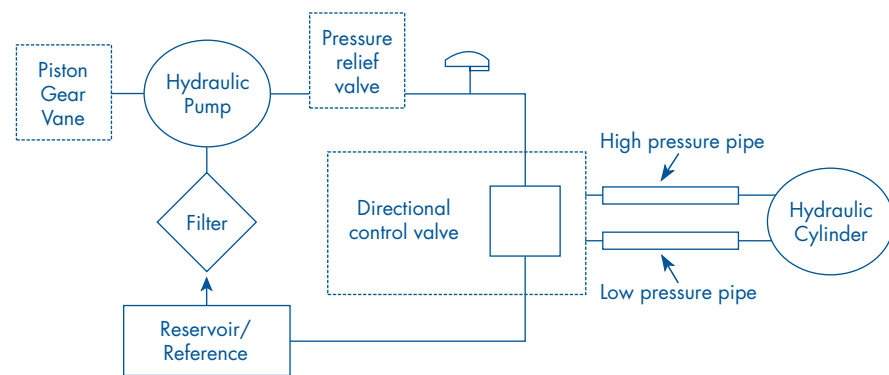
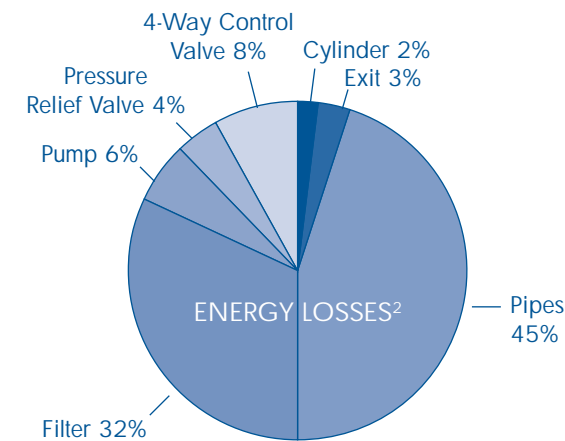
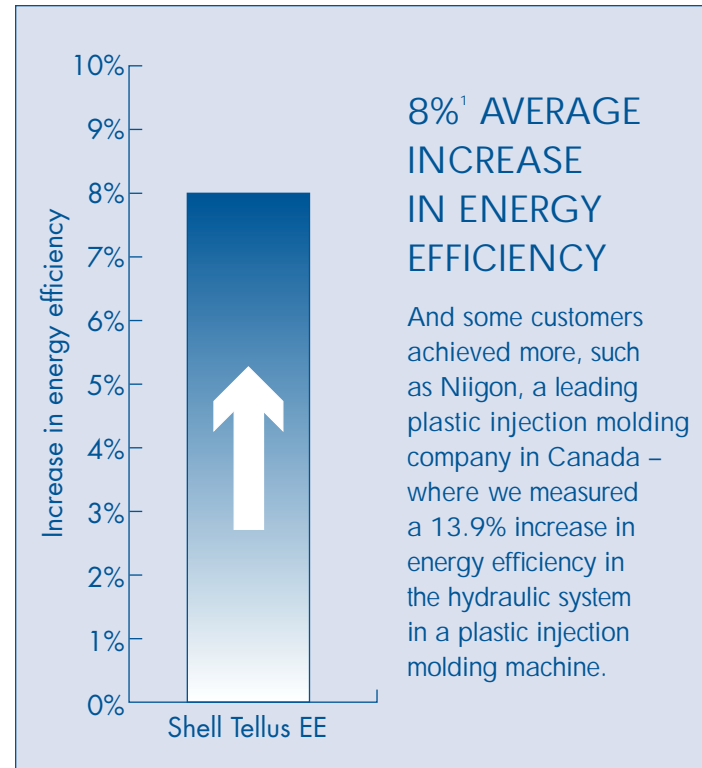
If your business relies on the intensive use of hydraulic power, Shell Tellus EE synthetic hydraulic fluid could improve the way your systems work. Designed by our technologists using sophisticated modeling and testing processes, it's one of the first hydraulic fluids that can help increase the energy efficiency of your systems while offering excellent protection that helps prolong the life of your machinery. It also is capable of helping save energy in hydraulic system applications, such as injection molding and metal pressing operations. Evaluating data collected from some of our customers shows an average of 8%¹ increase in energy efficiency.



Designing a more effective hydraulic fluid – introducing the advanced technology of Shell Tellus® EE

While some companies may design their fluids to work best on individual components of a hydraulic system, we look at the system more broadly. So rather than focus on, typically, pump wear, Shell Tellus EE has been designed to benefit the complete system without compromising on the operational effectiveness of your machinery or the protection of your equipment. With our three-way approach to offering value through enhancing operations, protection and energy efficiency, Shell Tellus EE is designed to lower maintenance costs, provide outstanding protection for machinery and lower operating costs for your system.

Shell Tellus EE – designed to enhance the performance and protection of the entire system including key components such as: valves, actuator seals and pumps.



While many other companies typically focus on individual elements of a system, Shell has used sophisticated modeling to understand the different sources of energy loss to develop a fluid that can help you experience greater operational efficiency.

¹ Actual energy savings may vary depending on application, current oil used, maintenance procedures, condition of equipment, operating conditions and intensity of hydraulic power usage.
² Calculated energy losses ISO VG 46 Hydraulic Fluid

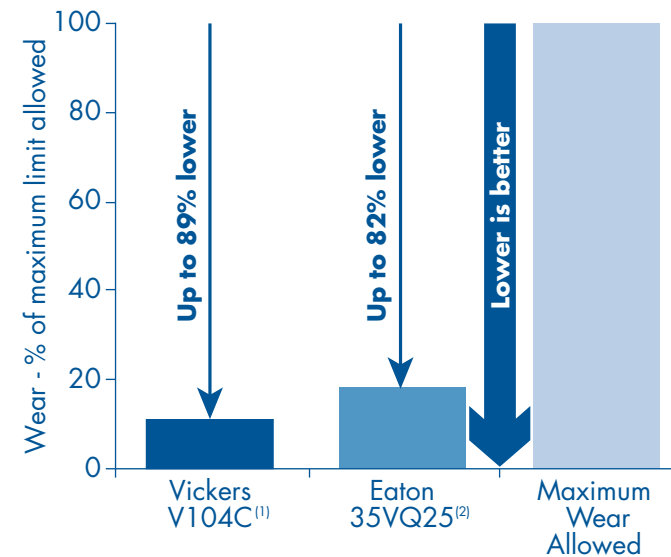
Achieving superior performance with Shell Tellus® EE

A hydraulic system's energy efficiency can be maintained or improved by optimizing the physical and chemical properties of the fluid it uses. As a latest generation synthetic hydraulic fluid, Shell Tellus EE can offer you a range of benefits. For example, it has superior air release properties. It releases trapped air up to 95% faster than required by industry specs. This helps to minimize the effective compressibility of fluid for improved transmission of power. It also helps to control oxidation, and this leads to longer oil life and protection against soot and particles.

Increased oil life can mean that your systems will work longer between oil changes, which helps lower maintenance costs. In fact, Shell Tellus EE exceeds the maximum duration allowed in the industry Turbine Oil Stability Test (TOST) without reaching the pass/fail limit and has been shown to have significantly better TOST life than conventional mineral hydraulic fluids³.

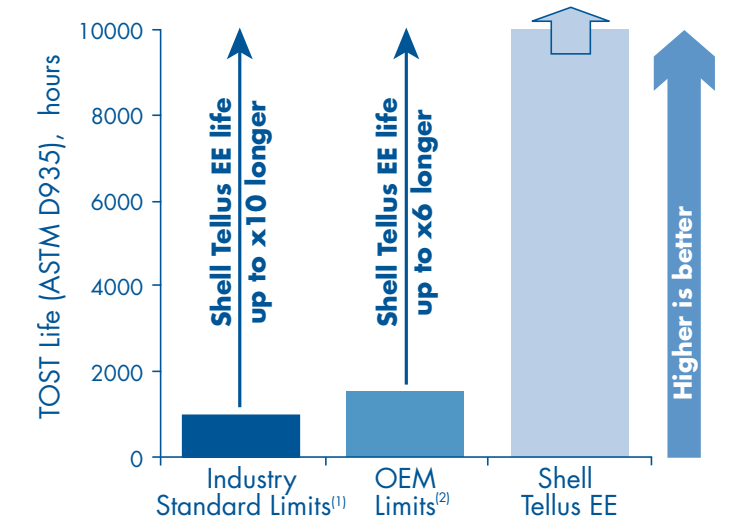
³ Comparison based on Shell conventional hydraulic fluids vs Shell Tellus EE.

Superior pump wear protection can help promote longer service life for your machinery.



¹ DIN 51524-2-HLP SS 15 54 35 AM specifications
² Eaton 1-286-S, M-2950-S specifications

Exceptional oil life can help to reduce your maintenance costs.



¹ e.g. ASTM D 6158, ISO 11158, DIN 51524 standards
² e.g. GM LS/2

The flow characteristics of a hydraulic fluid are another important factor in its effectiveness. If it's too thick, your machinery will use too much energy. A thin fluid may not provide the necessary protection to help keep your system running for the optimum amount of time. Wear protection is crucial when trying to attain fewer breakdowns and avoid the high cost of repairs, and Shell Tellus EE's unique additive technology is specially formulated to help deliver our best protection against hydraulic pump wear and hence help increase the service life of your system.

Shell Tellus® EE – responding to the hydraulic fluid needs of your business

Shell Tellus EE is an extensively researched, developed and tested synthetic hydraulic fluid. To find out more about how we can help reduce your equipment operating costs, contact your Shell representative.

