

Shell Turbo T



- Industrial steam, hydro and light-duty gas turbines and turbocompressors
- Reliable performance
- Reliable protection



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 Turbo range of turbine oils has been developed to enable equipment operators to select the oil that will deliver optimum value to their operations through

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



Performance at a glance

| | Protection | Oil life | System efficiency |
|---|------------|----------|-------------------|
| Shell Turbo CC ■ Extra long life ■ Extra protection | ✓✓✓✓ | ✓✓✓✓✓ | ✓✓✓ |
| Shell Turbo T ■ Reliable performance ■ Reliable protection | ✓✓✓ | ✓✓✓ | ✓✓✓ |

Performance level is a relative indication only.

AN INDUSTRIAL-STEAM AND LIGHT-DUTY-GAS TURBINE OIL

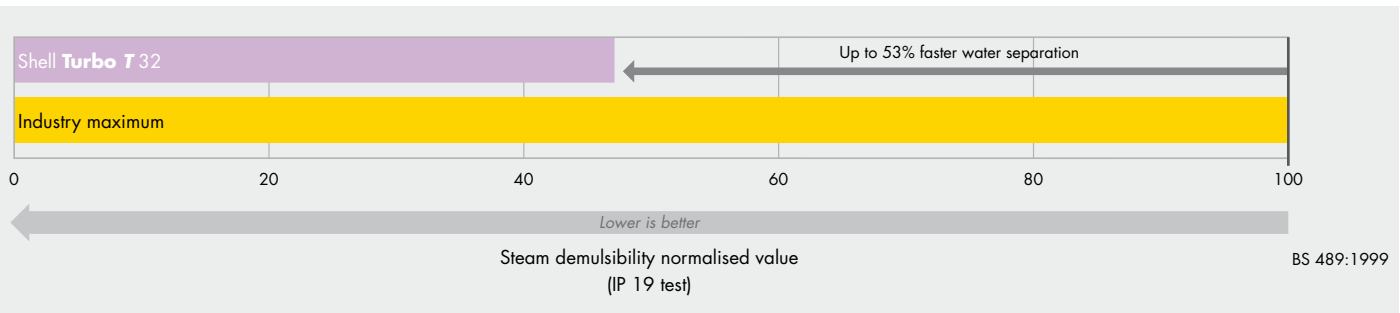
Shell Turbo T has been designed with good oxidation control in mind to provide reliable levels of performance and protection. It meets the requirements for industrial steam and light-duty gas turbine oils that do not require enhanced anti-wear performance for the gearbox.

Shell Turbo T has established a strong track record, and offers high resistance to foaming, rapid air release and good water shedding and corrosion protection.

DESIGNED TO PROTECT

Shell Turbo T is designed to prevent rusting and resist oxidation for long service life. Compared with the industry requirement, it can provide

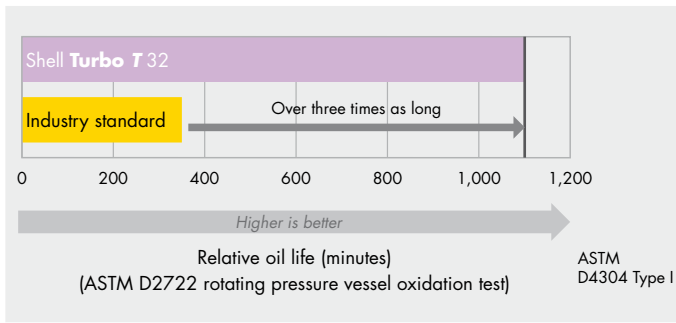
- **up to 53% faster water separation,**
which helps to protect components from damage.



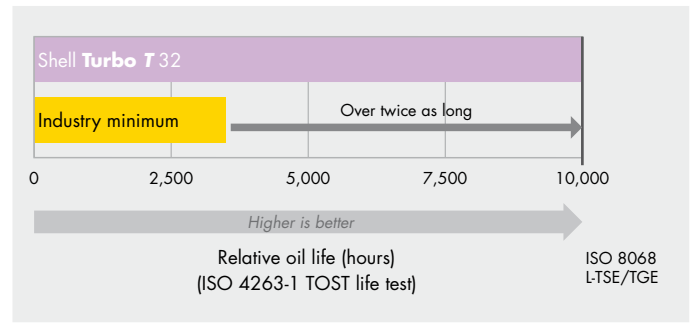
DESIGNED FOR LONG OIL LIFE

Limiting fluid degradation can help to prolong oil life. Shell Turbo T has an

- **oxidation stability that is over three times better** than the industry standard for steam turbine oils



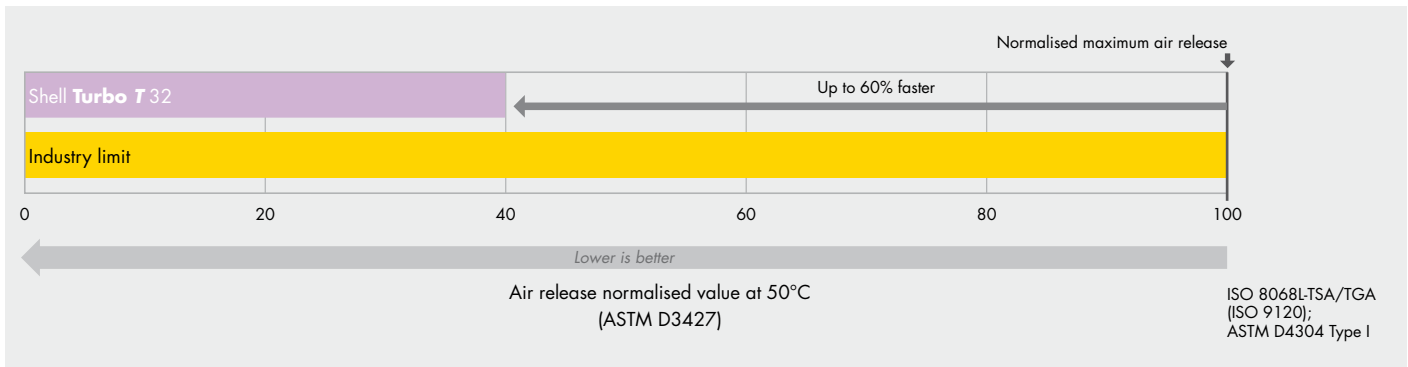
- **an oil life over twice as long** as the industry minimum requirements.



DESIGNED FOR HIGH EFFICIENCY

To help your equipment to run efficiently, Shell Turbo T is designed to be tolerant to those traces of contamination that can often lead to blocked oil filters. It offers

- **up to 60% faster air release** than the industry standard for steam turbines.



SPECIFICATIONS AND APPROVALS

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

| Claims and approvals | Meets requirements | |
|--|---|--|
| Alstom HTGD 90-117 V | GEK 27070, 28143A, 46506E, 32568f and 107395a | DIN 51515 Parts 1 (L-TD) and 2 (L-TG) |
| MAG Cincinnati P-38, P-55 and P-54 (appropriate viscosity grade) | Siemens Westinghouse 55125Z3 | ISO 8068 |
| MAN Turbo SPD 10000494596 | GEC Alstom NBA 50001A | JIS K-2213 Type 2 |
| Siemens TLV 9013 04 | Solar ES 9-224V Class II | ASTM D4304-06a Type I and III BS 489:1999 |

REAL-WORLD VALUE DELIVERY

Shell Turbo T has brought significant savings to operators of turbine systems. Through switching from a conventional product, one customer reports saving about \$60,000¹ a year from

- increasing the oil-drain interval from two to four years
- reducing lubricant and maintenance costs
- enhancing production capacity.

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.

APPLICATIONS



Designed for use on industrial steam and light-duty gas turbines, turbo compressors, power generation and hydroelectric installations

FULL PRODUCT AND SERVICE PORTFOLIO

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

For more information, please contact

shell.com/lubricants

