

Shell Turbo CC



- Industrial steam, heavy-duty gas and combined-cycle turbines, including geared systems
- Extra oil life
- Extra 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 GT SYNTHETIC ■ Extra long life ■ High efficiency	✓✓✓	✓✓✓✓✓	✓✓✓✓
Shell Turbo CC ■ Extra long life ■ Extra protection	✓✓✓✓	✓✓✓✓✓	✓✓✓
Shell Turbo T ■ Reliable performance ■ Reliable protection	✓✓✓	✓✓✓	✓✓✓

Performance level is a relative indication only.

AN ADVANCED INDUSTRIAL STEAM, GAS AND COMBINED-CYCLE TURBINE OIL

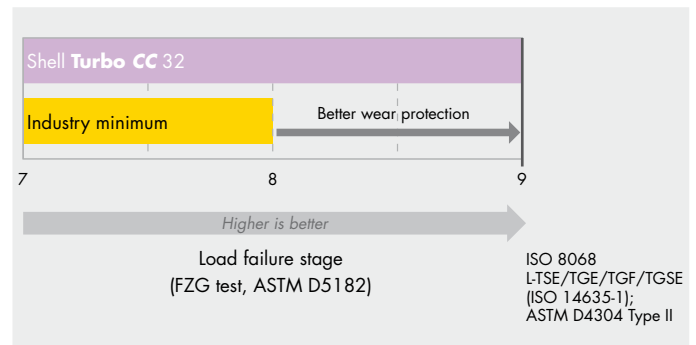
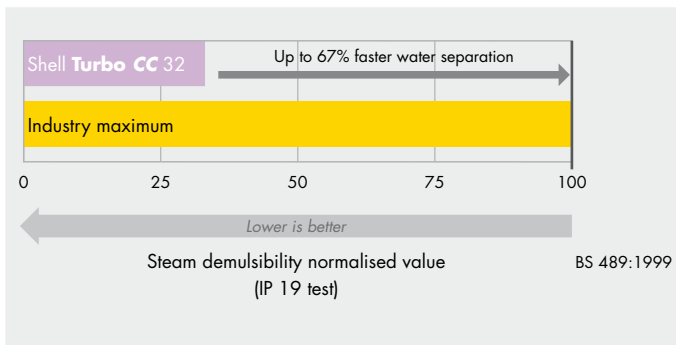
With excellent resistance to deposit formation, enhanced anti-wear performance, high resistance to foaming and rapid air release characteristics, Shell Turbo CC is a fluid designed for reliability. Designed with long oil life and system efficiency in mind, it exceeds the industry requirements for gas, steam and highly loaded geared turbine oils.



DESIGNED TO PROTECT

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

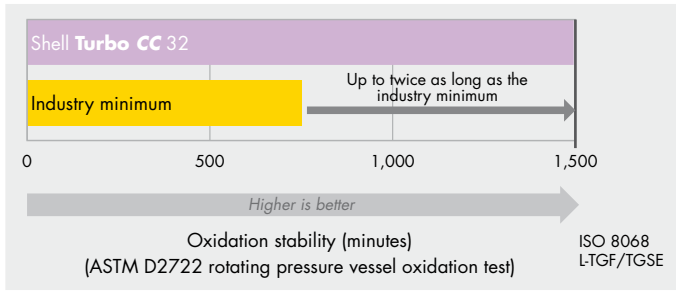
- **up to 67% faster water separation,** which helps to protect components from damage
- **more wear protection.**



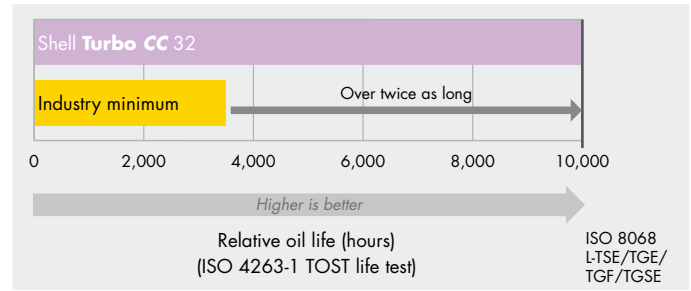
DESIGNED FOR LONG OIL LIFE

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

- **an oxidation stability up to two times better** than the industry standard for gas turbine oils



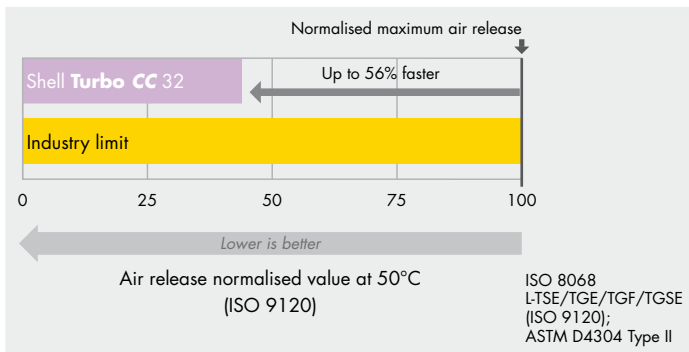
- **an oil life over twice as long** as the industry minimum requirements for combined-cycle gas turbine oils.



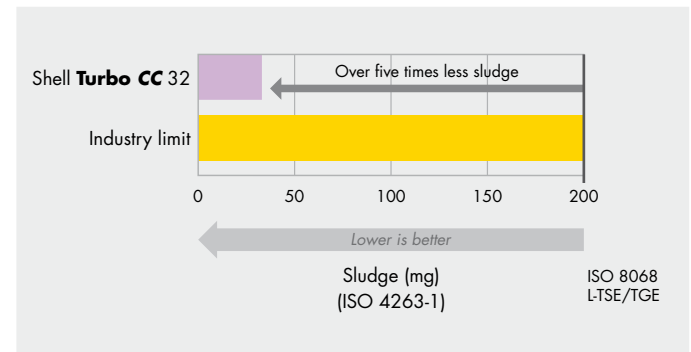
DESIGNED FOR HIGH EFFICIENCY

To help your equipment to run efficiently, Shell Turbo CC is designed to be tolerant to those traces of contamination that can often lead to blocked oil filters, and has reduced oil foaming characteristics. It also provides

- **up to 56% faster air release** than the industry standard for gas turbine oils



- **over five times less sludge formation** than the industry standard for gas turbine oils.



SPECIFICATIONS AND APPROVALS

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

Claims and approvals	Meets requirements	
Siemens TLV 9013 04 Alstom HTGD 90-117 V	GEK 27070, 28143A, 46506E, 32568f, 32568A and 107395a	DIN 51515 Parts 1 (L-TD) and 2 (L-TG) ISO 8068
	Siemens Westinghouse 55125Z3	JIS K-2213 Type 2
	GEC Alstom NBA 50001A	ASTM D4304-06a Type I, II (EP) and III
	Solar ES 9-224W Class II	BS 489:1999

REAL-WORLD VALUE DELIVERY

The Shell Turbo range of turbine oils has brought significant savings to operators of turbine systems. For instance, by switching from a competitor product to a Shell Turbo oil, one customer reports saving about \$60,000¹ a year from

- increasing the oil-drain interval
- 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 in industrial steam, light- and heavy-duty gas, and combined-cycle turbines

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

