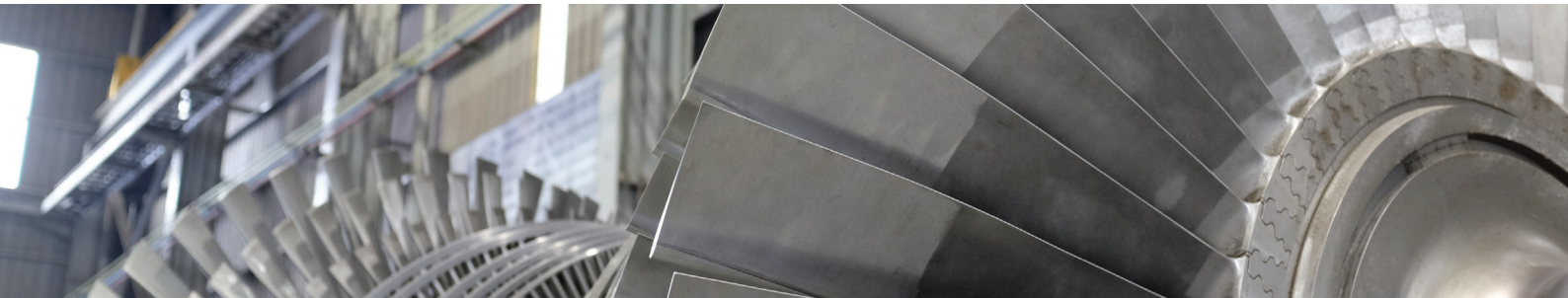


Mobil SHC™ 800 Ultra Series

Superior high performance turbine oils for severe operating conditions



Energy lives here™

Key benefits



Outstanding reduction of varnish and deposit formation that helps increase turbine and compressor reliability



Excellent anti-wear protection prevents premature equipment failure and reduces maintenance and replacement costs



Exceptional demulsibility, air release and resistance to foaming to help ensure long trouble free operation

Excellent varnish protection

Typical properties*

Mobil SHC™ 800 Ultra series	Mobil SHC 832 Ultra	Mobil SHC 846 Ultra
Kinematic Viscosity @ 40 °C, mm ² /s, ASTM D445	33.9	46.4
Viscosity Index, ASTM D2270	140	135
Grade	ISO 32	ISO 46
FZG Scuffing, Fail Load Stage, A/8.3/90, ISO 14635-1	9	10
Foam, Sequence I, II and III, Stability / Tendancy	0	0
Rotating Pressure Vessel Oxidation Test, min, ASTM D2272	3700	3200
Turbine Oil Stability Test, Life to 2.0 mg KOH/g, h, ASTM D943	>10000	>10000

Modern stationary gas turbines operate at high power output and these severe operating conditions can lead to thermal stressing of the lubricant. This can result in shorter oil life, filter plugging, and bearing and servo-valve deposits.

The Mobil SHC 800 Ultra Series has been specifically formulated to provide exceptional protection against thermal and oxidative degradation and to offer outstanding keep-clean performance with specific deposit and varnish control.

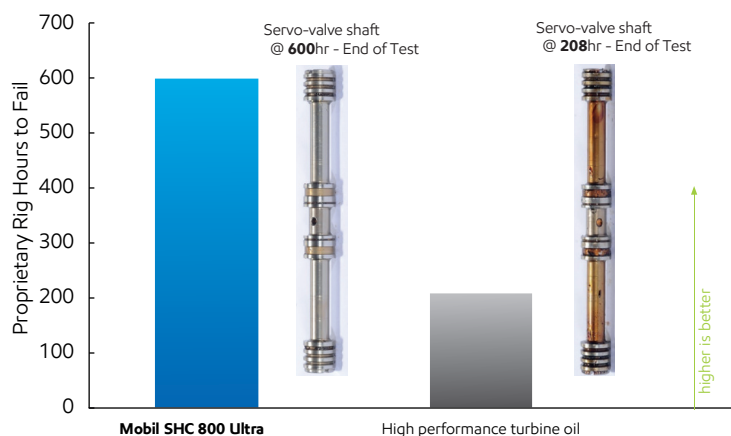
Mobil SHC 800 Ultra Series

- features effective anti-wear performance, designed to meet load-carrying requirements of geared turbines
- shows exceptional steam and water separation, required for modern high performance steam turbines

Reduced varnish formation

In a gas turbine, malfunction of servo valves can be the earliest indicator of varnish, sometimes causing major operational disruptions.

With no real-life industry test standard, ExxonMobil has developed a rig in an attempt to replicate these conditions. Mobil SHC 800 Ultra demonstrated outstanding varnish protection that offers extended trouble-free life and reduced maintenance in these applications.

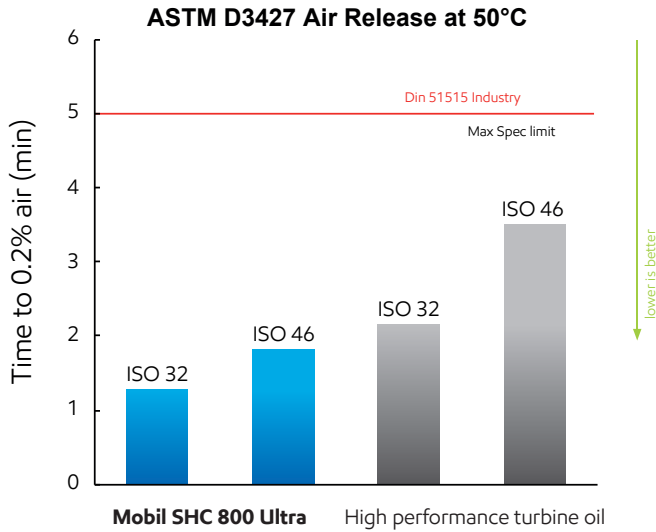


Mobil SHC™ 800 Ultra series

Rapid release of entrained air

Air in oil, i.e. air entrainment, can cause major malfunction of systems leading to pump failures, erratic operation of control systems and poor lubrication.

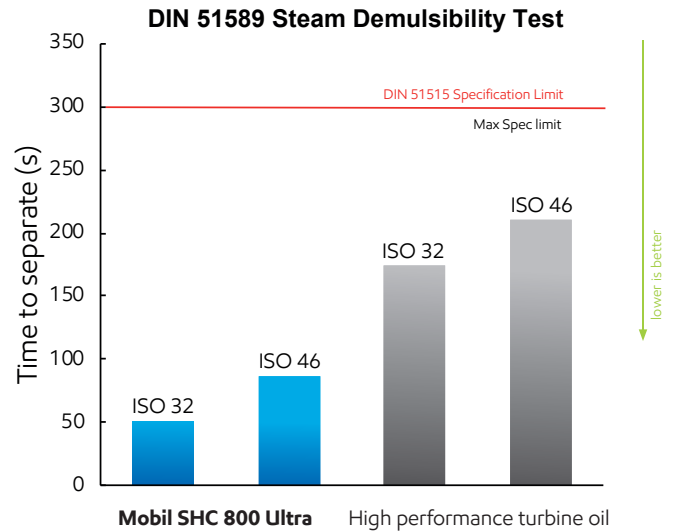
Mobil SHC 800 Ultra shows outstanding separation from air to help ensure trouble-free operations and reduce maintenance costs.



Operational reliability

Hot steam leaks can generate emulsion and sludge that can block the oil ways, causing rust and generating bacterial growth. Fast separation of water and oil is therefore crucial to ensure correct lubrication and protection of the system and its components.

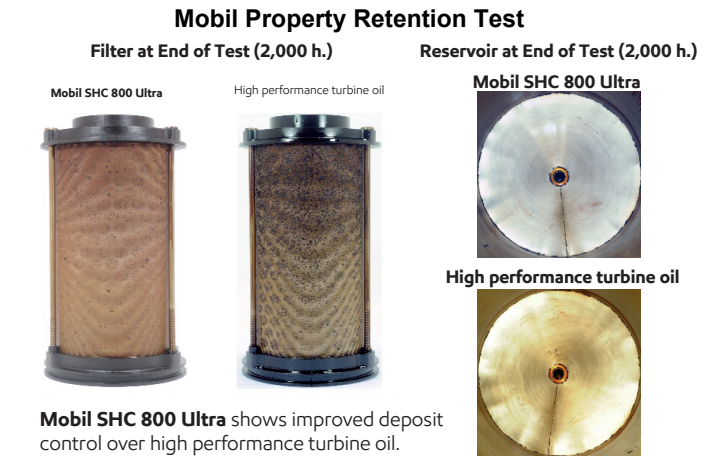
Mobil SHC 800 Ultra has outstanding water separation abilities, even with steam, as shown in the DIN 51589-1 Steam Demulsibility test.



Reduced deposit formation

ExxonMobil has developed a property retention test, designed to be closer to real life than the industry glassware test, to replicate high temperature service conditions of turbine and compressor circulation systems.

Thanks to the special proprietary balance of high performance additives and premium quality base oils, Mobil SHC 800 Ultra offers low levels of lacquer and deposit, helping to prolong filter life and ensuring maintenance of bearings are kept to a minimum.



Industrial Lubricants



Advancing Productivity™

Safety

With the exceptional equipment protection, Mobil SHC 800 Ultra oils can help reduce maintenance and its associated safety risks due to lower employee-equipment interaction.

Environmental Care**

Through long product life, which helps reduce the frequency of used oil disposal, Mobil SHC 800 Ultra oils can help limit environmental impact.

Productivity

With long drain intervals and optimized equipment life and reliability, Mobil SHC 800 Ultra oils can help operations reduce downtime to help achieve optimum productivity.

* Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com. ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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