



Mobil SHC™

Mobil SHC™ 800 Series

Exceptional protection for land-based gas turbines



Outstanding performance

With 95% of new turbine installations calling for natural gas turbines, you need proven lubricants designed to meet the needs of this demanding application. Mobil SHC 800 Series oils are the logical choice. Backed by over 100 years of industry-leading innovation in power-generation lubrication technology and by exceptional research and development in synthetic lubricants, these oils deliver outstanding performance even under mechanical shearing or repeated cycling from high to low temperatures.

Reduced wear

Specially formulated with synthetic hydrocarbon base oils and enhanced additives, Mobil SHC 800 Series oils provide superb wear protection at start-up and at high operating temperatures by maintaining a protective oil film between moving parts over a

wider range of operating temperatures than conventional turbine oils. The synthetic base oil ensures low-temperature fluidity unmatched by mineral-oil-based products, a key benefit for remote applications. The high-viscosity index helps minimize wear at high temperatures by maintaining an oil film separating mating parts.

Beyond mineral oils

Even at sustained high operating temperatures, Mobil SHC 800 Series lubricants help reduce the formation of sludge and varnish as compared to conventional turbine oils, helping to keep parts clean and running smoothly, and reducing filter plugging.

The synthetic base oils of Mobil SHC™ 824 and Mobil SHC™ 825 help promote substantially extended oil drain intervals compared to our conventional mineral oil products—helping reduce downtime, inventory costs and used oil disposal costs.



Advancing Productivity™



Safety

Exceptional high-temperature stability and low-temperature fluidity help extend oil drain intervals, helping reduce employee interaction with equipment, thereby mitigating potential for employee injury.



Environmental Care

High-viscosity index and deposit control help protect over a wide temperature range, helping to control wear and extend equipment life, minimizing waste generated by equipment replacement and maintenance.



Productivity

Excellent stability under shear and thermal cycling helps provide enhanced equipment protection for extended periods, helping to maximize uptime and enable turbines to operate at peak efficiency.

Mobil SHC™ 800 Series

Mobil SHC 800 Series Approvals

	824	825
Mobil SHC 800 Series has the following builder approvals:		
Siemens TLV 9013 04	X	X
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Alstom HTGD 90 117	X	X
MHI MS04-MA-CL003	X	
Mobil SHC 800 Series meets or exceeds the requirements of:		
Solar ES 9-224, Class 1	X	X
GE GEK 32568G	X	
Mobil SHC 800 Series is recommended by ExxonMobil for use in applications requiring:		
GE GEK 101941A	X	
GE GEK 28143B	X	

Mobil SHC 800 Series Proof of Performance**

Sarpom, GE Frame 6 Gas Turbine

Mobil SHC™ 824 improved unexpected downtime in a GE Frame 6 Gas Turbine operated by Sarpom in Italy. Mineral-oil-based turbine oil typically resulted in six unplanned unit shutdowns per year, but after converting to Mobil SHC 824, Sarpom has experienced no unexpected shutdowns for 24 months, resulting in significant cost saving, and helping to mitigate the frequency of employee/equipment interaction.



Sarpom GE Frame 6 Turbine

Monmouth Energy, Solar Turbine

Monmouth Energy achieved more than 90,000 hours of problem-free operation on a single fill of Mobil SHC 824 in a solar turbine. Exceptional product performance along with ExxonMobil's application expertise and engineering support were noted as key factors in reaching this milestone.



Monmouth Energy's solar turbine recently surpassed 90,000 hours of operation since its last oil change with Mobil SHC 824.

Mobil SHC 800 Series products deliver lasting performance in application

After more than six years of operation in a GE Frame 6B turbine, Mobil SHC 800 Series products continue to deliver high-performance benefits. In-use samples evaluated by the ExxonMobil Lubricants Technical Support (LTS) Laboratory are deemed suitable for continued use based on minimal changes in viscosity, TAN, RPVOT, Foam, RULER, Air Gas Bubble Separation, Additive Component depletion and particle count.

For more information on Mobil SHC™ 800 Series and other Mobil™-branded industrial lubricants and services, please contact your local company representative or visit mobilindustrial.com.

**The Proof of Performances used herein are based on the experiences of the customers mentioned above. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

Health and Safety.

Based on available information, this product is not expected to produce adverse effects on health when used for the applications referred to above and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contact office or via the Internet. This product should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment.

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