

Mobil SHC™ 800 Series

Synthetic oils for land-based gas turbines



Energy lives here®

Key benefits



Outstanding performance, even under mechanical shearing or repeated cycling from high to low temperatures



Long drain intervals, which can help minimize downtime, inventory costs and used oil disposal



Excellent equipment protection helps limit replacement costs

Designed for the most severe industrial gas turbine applications, Mobil SHC™ 824 and Mobil SHC™ 825 lubricants help provide:

- Resistance to heat soak-back after turbine shutdown
- Deposit control
- Reliable lubrication during cold starts, even at very low temperatures
- Strong equipment protection at high temperatures

Mobil SHC™ 800 Series lubricants help you achieve outstanding performance and reduced wear — even under severe conditions.

-45°C

pour point helps ensure rapid oil circulation at low temperatures

Typical properties*

Mobil SHC™ 800 Series	824	825
ISO Viscosity Grade	32	46
Viscosity, ASTM D 445		
cSt @ 40°C	31.5	43.9
cSt @ 100°C	5.9	7.9
Viscosity Index, ASTM D 2270	135	145
Pour Point, °C, ASTM D 97	<-54	-45
Flash Point, °C, ASTM D 92	248	248

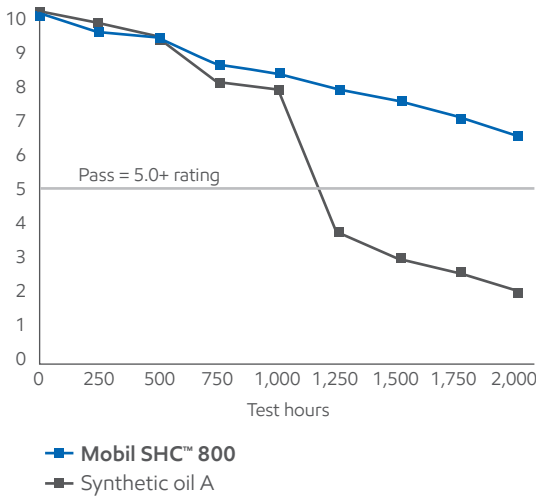
*Typical properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit 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.

Mobil SHC™ 800 Series

Deposit control

In the Mobil™ Property Retention Test (PRT), which evaluates the durability and deposit control of turbine oils under simulated service conditions, Mobil SHC™ 800 turbine oils demonstrate capabilities superior to a competitive synthetic oil. Observations made in the PRT have been corroborated by field service observations.

90°C (194°F) PRT filter rating



Competitive synthetic oil B	2,700
Competitive synthetic oil A	8,200
Mobil SHC™ 824	10,000+
Industry minimum requirement	2,000

10,000
hours of TOST life

Specifications and approvals

	824	825
Builder approvals:		
Siemens TLV 9013 04	•	•
Alstom HTGD 90 117	•	•
MHI MS04-MA-CL003	•	
Meets or exceeds requirements of:		
Solar ES 9-224, Class I	•	•
GE GEK 32568G	•	
Recommended by ExxonMobil for use in applications requiring:		
GE GEK 101941A	•	
GE GEK 28143B	•	

Industrial Lubricants



**Advancing
Productivity™**

Safety

Minimized maintenance due to equipment reliability and long drain intervals helps you mitigate potential employee safety risks arising from direct contact with equipment.

Environmental Care[†]

Long product life helps you minimize waste oil generation and maintenance-related waste.

Productivity

Better-managed expenses and inventory levels — paired with better-protected equipment — can help you boost production reliability and efficiency.

^{*}Test modified to change sampling to once every two weeks.

[†]Visit mobilindustrial.com to learn how certain Mobil-branded lubricants may provide benefits to help minimize environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.

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