



## Mobil™ DTE 932 GT

### Premium Gas Turbine Lubricating Oil

#### Product Description

Mobil™ DTE 932 GT is a next generation high performance turbine oil designed for use in large frame turbines under severe operating conditions. This product is based on selected high quality base oils carefully balanced with a proprietary additive system to provide long oil life in combination with industry leading “keep clean” performance. The formulations also include a non-zinc antiwear system to meet the load carrying requirements of geared turbines.

Mobil DTE 932 GT meets the requirements of modern combustion turbines where the oil is used both as a turbine bearing lubricant as well as for hydraulic controls. Mobil DTE 932 GT is specifically formulated for General Electric Frame 3, 5, 6, 7 and 9 turbines with common bearing and hydraulic oil reservoir, where varnish control is most needed.

The carefully balanced combination of base oils and additives is designed to limit the occurrence of varnish formation in the hydraulic system of these turbines. The keep clean performance in combination with a high level of oxidation and thermal stability help provide long and reliable turbine performance.

#### Features and Benefits

Mobil DTE brand mineral-based products have been the choice for turbine operators worldwide for more than one hundred years. During that period our company's scientists have maintained the strongest ties with turbine equipment builders and operators to ensure that the needs of new turbine designs are met or exceeded by our lubricants. This has required a continual upgrading of Mobil branded turbine oils and the application of the most appropriate modern base oil and additive technology

For modern stationary gas turbines operating at high power outputs, exceptional protection against thermal/oxidative degradation and deposit control are key requirements. Severe operation causes thermal stressing of the lubricant that can result in filter plugging, servo valve deposits or short oil life.

Mobil DTE 932 GT oil offers the following features and potential benefits:

Features	Advantages and Potential Benefits
Excellent thermal/oxidation stability	Helps reduce downtime leading to more reliable operation
	Helps extend oil charge life enabling lower product costs
Reduces varnish formation potential	Reliable turbine operation and helps reduce maintenance of hydraulic system components
Excellent foam control and air release	Quick start up potential, even at lower ambient temperatures
Good electrical conductivity	Helps reduce varnish formation potential leading to reliable turbine operation and helps reduce maintenance of hydraulic system components

#### Applications

Mobil DTE 932 GT is a high performance turbine oil designed for use in gas turbine oil systems, direct- or gear-coupled, and turbine speed control mechanisms. Specific applications include:

- Combustion turbine bearing and hydraulic systems in both power generation and mechanical drive configurations

- Particularly suited for General Electric frame 6, 7 and 9 applications where varnish control of the hydraulic system is desired
- NOT recommended for steam turbine applications.

Application Note: Mobil DTE 932 GT is not compatible with Mobil DTE 732. Drain and flush is required when converting.

## Specifications and Approvals

### Mobil DTE 932 GT meets or exceeds the requirements of: 932 GT

GE GEK 32568G	X
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### Mobil DTE 932 GT is recommended by ExxonMobil for use in 932 GT Applications requiring:

GE GEK 101941A	X
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GE GEK 28143 B	X
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## Typical Properties

### Mobil DTE 932 GT

ISO Viscosity Grade	32
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#### Viscosity, ASTM D 445

cSt @ 40° C	31.5
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cSt @ 100° C	6.1
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Viscosity Index, ASTM D 2270	141
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Pour Point, °C, ASTM D 97	-18
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Flash Point, °C, ASTM D 92	240
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Specific Gravity 15.6° C/15.6° C, ASTM D 4052	0.84
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TOST, ASTM D 943, Hours to 2 NN	9000+
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RPVOT, ASTM D 2272, min.	900
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FZG Scuffing, DIN 51354, A/8.3/90, Fail Stage	10
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#### Rust Prevention, ASTM D 665

Distilled Water	Pass
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Sea Water	Pass
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Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100° C	1B
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#### Foam Test, ASTM D 892

Sequence I, tendency/stability, ml/ml	20/0
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Sequence II, tendency/stability, ml/ml	15/0
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Sequence III, tendency/stability, ml/ml	20/0
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Air Release, ASTM D 3427, mins	2
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## Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the

intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

All products may not be available locally.

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10-2012

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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](http://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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