

# TERBIN SYNTHETIC

ISO VG 32,46

## Product Description

Premium non-varnishing PAG-based synthetic turbine oil formulated from polyalkylene glycol base fluid with a high performance additive package to eliminate varnish and deposit issues in heavy duty gas turbine applications. TERBIN SYNTHETIC provides a very high viscosity index, superior oxidative stability as well as non-sludge and varnish forming to ensure reliable long-term turbine service, and extend equipment operating life.

## Benefits

- Non-sludge and varnish formation.
- Excellent oxidative and thermal stability.
- Excellent load carrying capacity.
- Excellent micro-dieseling prevention.

## Applications

- Recommended for heavy duty gas turbine applications where sludge and varnish prevention, oxidative stability potential, or high load carrying capacity are required.

*The Moving Innovation* 

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## Typical Characteristics

Tests	Methods	Units	Results	
			ISO VG 32	ISO VG 46
Specific gravity at 15.6°C	ASTM D4052		0.9779	0.9806
Kinematic Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	32.39	46.19
Kinematic Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	6.475	6.475
Viscosity Index	ASTM D2270		158	168
Flash Point (COC)	ASTM D92	°C	251	271
Pour Point	ASTM D97	°C	-51	-48
Total Acid Number	ASTM D664	mgKOH/g	0.2	0.34
Foaming Characteristic	ASTM D892			
Sequence I		ml/ml	10/0	30/0
Sequence II		ml/ml	nil/0	10/0
Sequence III		ml/ml	10/0	25/0
Copper strip corrosion, 3hr at 100°C	ASTM D 130	rating	1A	1A
FZG Test (Failure Stage)	ASTM D5182		11	11
RPVOT at 150 °C	ASTM D2272	min	588	556

## Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttor.com>

Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.