

AGIP OTE GT



AGIP OTE GT are superior quality lubricants developed expressly for use in industrial gas turbines. They are formulated utilizing highly refined group II base stocks with the latest technology additive to obtain the exceptional resistance to oxidation and antirust and mild EP properties.

CHARACTERISTICS (TYPICAL FIGURES)

AGIP OTE GT

Characteristics	ASTM	Unit	ISO VG GRADE	
			32 GT	46 GT
Density at 15°C	D 4052	kg/l	0.850	0.856
Viscosity at 100°C	D 445	mm ² /s	5.45	7.09
Viscosity at 40°C	D 445	mm ² /s	30	45
Viscosity Index	D 2270		118	116
Flash Point, COC	D 92	°C	220	230
Pour Point	D 97	°C	-15	-15

PROPERTIES AND PERFORMANCES

- The AGIP OTE GT contain additives with exceptional antioxidant properties that reduce oil ageing and avoid formation of sludges and deposits; this is illustrated by its performance in TOST (Turbine Oil Stability Test), where it exceeds 10000 hours.
- The high Viscosity Index of AGIP OTE GT oils minimizes changes in viscosity throughout the normal temperature range, thus ensuring that a proper lubricant film is maintained even at high operating temperatures.
- The anticorrosion and antirust properties provide effective protection of all lubricated parts, the oil circuit, storage tanks, heat exchangers, etc.
- The AGIP OTE GT have very good antifoam properties and readily eliminate entrained air thus reducing the danger of discontinuity in the lubricant film. Air locks and cavitations in the circulation pump, erratic regulator operation and overflow of oil from storage tank vents.
- The demulsibility properties prevent formation of stable emulsions, ensuring complete water separation in the oil. This characteristic is particularly appreciated in combined cycle plants where only one high performance product need be used to serve both gas and steam turbine lubrication requirement.
- They have mild EP properties which are essential for ensuring long life of turbine reduction gear units, as illustrated by typical test results: AGIP OTE 32 GT has a FZG failure load stage of 9th.

SPECIFICATIONS

AGIP OTE GT are approved and/or meet the following classification and specifications:

- ISO 6743/5
- ISO-L-TSA/-TSE/-TGA/-TGB/-TGE/-TGSB/-TGSE

- ISO 8068
- DIN 51515-1 L-TD
- DIN 51515-2 L-TG
- ASTM D 4304 type 2
- ALSTOM HTDG 90117 V0001T (type EP)
- ALSTOM Power Sweden MAT812109
- CATERPILLAR / SOLAR ES 9-224U
- GM No. LJ-03-1-97, LJ-04-1-97, LJ-06-1-97
- GENERAL ELECTRIC GEK 24138 Type IV, V and VI
- GENERAL ELECTRIC GEK 32568f
- GENERAL ELECTRIC GEK 101941
- GENERAL ELECTRIC GEK 107935a
- MAN GHH BORSIG SP 079984 E 0000 E 98
- SIEMENS TVL 9013 04 (type EP)
- Siemens Westinghouse M-Spec 55125Z3

APPLICATION

AGIP OTE GT oils are essentially intended for the lubrication of gas turbines with bearing whose operating temperatures are around 500°F (260°C). They are also suitable for lubrication of steam turbines in the combined cycle plants and also in those cases where at the turbine is associated a reduction gear unit.