



## DURALIFE® SYNTHETIC GAS TURBINE OILS

**DURALIFE® SYNTHETIC GAS TURBINE OILS** are formulated from polyalphaolefin (PAO) synthetic base oils with premium rust and oxidation inhibitors and an ashless anti-wear additive to meet the demands of latest high output stationary industrial gas and steam turbines, gas compressors and other rotary equipment requiring a high level of thermo-oxidative stability. They have excellent demulsibility and antifoam characteristics.

### APPLICATIONS :

**DURALIFE® SYNTHETIC GAS TURBINE OILS** are recommended for main lubrication of land-based gas and steam turbines, combustion turbine generators (gas), marine turbines operating at high power output and high temperature.

They meet the requirements of all major steam turbine manufacturers, including GE, Siemens, Alstom, Allison Gas Turbine, Cooper Industries and comply with or exceed the following standards & specifications:

- ❖ General Electric GEK 28143A/B, 32568G/K, 101941A
- ❖ Siemens TLV 901304/05, MAT 812106
- ❖ Allison Gas Turbine Division EMS-45
- ❖ Solar Turbines ES 9-224U
- ❖ MAN Turbo SP 10000494596
- ❖ Alstom HTGD 90117
- ❖ MHI MS04-MA-CL003
- ❖ DIN 51515 Part 2
- ❖ BS 489-1999

### BENEFITS :

- Provide superior oxidation stability ,water separability , foam suppression.
- Excellent low temperature fluidity.
- Provide high film strength to protect gears and bearings engaged in severe, heavy duty service.
- Prolong gear tooth life through its effective anti-wear system.
- Protect against rust and corrosion.
- Superior demulsibility characteristics .

### TYPICAL CHARACTERISTICS:

Test	Method	ST 32	ST 46
API Gravity	ASTM D287	38.57	37.35
Specific Gravity @ 15.6°C(60°F)	ASTM D1298	0.832	0.838
Viscosity @ 40°C, cSt	ASTM D445	32	46
Viscosity Index	ASTM D 2270	130	138
Flash Point, °C (°F)	ASTM D92	240 (464)	245 (473)
Pour Point, °C (°F)	ASTM D97	-54 (-65)	-45 (-49)
Rust Test , 24h	ASTM D 665B	Pass	Pass
Copper Corrosion ,3hrs@100°C	ASTM D 130	1b	1b
Demulsibility @ 54°C, ml oil/water/emulsion (min)	ASTM D 1401	40/40/0	40/40/0
Foam Test, , Seq I, Tendency/Stability, ml/ml	ASTM D 892	10/0	20/0
F Z G Gear Test , Fail stage ( A/8.3/90 )	ISO 14635-1 / DIN 51354	12	12
Oxidation Stability- TOST, hrs	ASTM D 943	>10,000	>10,000

*The above characteristics are average values based on recent production. Minor variations which do not affect product performance are to be expected in normal manufacture.*

**WARNING:**

Continuous contact with used oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children. Don't pollute. Conserve resources. Return used oil and bottle to collection centers

*Reference SDS Number 12117 database on our website at [www.amtecol.com](http://www.amtecol.com) OR scan the code for a direct link*

