

## DURALIFE® PREMIUM TURBINE OILS

**DURALIFE® PREMIUM TURBINE OILS** are formulated from highly refined base oils with premium rust and oxidation inhibitors and an ashless anti-wear additive. They have excellent demulsibility and antifoam characteristics.

### APPLICATIONS :

**DURALIFE® PREMIUM TURBINE OILS** are recommended for main lubrication of water, steam and gas 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, Westinghouse, ABB Alstom, Elliot and Demag Delaval Steam Turbines and comply with or exceed the following standards & specifications:

- ❖ General Electric GEK 28143A, 46506, 32568F, 102941
- ❖ Siemens/Mannesmann Demag 800 037 98, Siemens TLV 9013/04-01
- ❖ Man Turbo SP 079984 D0000 E99
- ❖ Westinghouse 21 T0591
- ❖ Solar Turbines ES 9-224U
- ❖ ISO 8068
- ❖ ASTM D 4304, Type I
- ❖ DIN 51515 Part 1
- ❖ JIS K-2213 Type 2
- ❖ BS 489-1999
- ❖ Alstom HTGD 90117 T

### BENEFITS :

- Provide superior oxidation stability, water separability, foam suppression.
- 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	PT 32	PT 46	PT 68	PT100	PT150
API Gravity	ASTM D287	29.85	28.93	28.39	27.67	27.49
Specific Gravity @ 15.6°C(60°F)	ASTM D1298	0.877	0.882	0.885	0.889	0.890
Viscosity @ 40°C, cSt	ASTM D445	32	46	68	100	150
Viscosity Index	ASTM D 2270	100	100	98	98	98
Flash Point, °C (°F)	ASTM D92	202 (396)	202 (396)	218 (424)	227 (441)	235 (455)
Pour Point, °C (°F)	ASTM D97	-30 (-22)	-25 (-13)	-18 (-0.4)	-15 (5)	-12 (10)
Rust Test, 24h	ASTM D 665B	Pass	Pass	Pass	Pass	Pass
Copper Corrosion, 3hrs@100°C	ASTM D 130	1	1	1	1	1
Demulsibility, Water separation, minutes	ASTM D 1401	15	15	20	20	20
F Z G Gear Test, Fail stage (A/8.3/90)	ISO 14635-1 / DIN 51354	10	10	10	10	10
Oxidation Stability + Turbine Oil Stability Test, hrs to 2.0mgKOH/g + Rotating Bomb Oxidation Test, minutes	ASTM D 943 ASTM D 2272	>7000 >950	>7000 >950	>6000 >950	>6000 >950	>6000 >950

*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 12031 database on our website at [www.amtecol.com](http://www.amtecol.com) OR scan the code for a direct link*

