

WearGuard™ D-A Turbine Oil Series begins with premium hydro-treated base oils optimized for providing outstanding protection even in the most demanding operating conditions. This high-performance product exhibits thermal stability, reduced volatility and compatibility with elastomers and seals.

WearGuard™ D-A Turbine Oil Series is blended with D-A's advanced **ChemGuard™** additive technology. It excels with comprehensive ashless and phosphorous-free rust and oxidation inhibitors (R&O) to provide extended fluid life. This product rigorously impedes foaming and undesirable varnishing from coke deposits. The proprietary **ChemGuard™** additive also delivers demulsibility characteristics while resisting filter plugging from sludge formation and foreign contaminants.

Characteristics

- Excellent R&O inhibitor
- Thermal stability
- Extends drain intervals
- Reduces maintenance costs
- Ashless anti-wear

Meets or Exceeds

- ASTM D4304-13
- Cincinnati Milacron P-38, P-55, P-54 and P-57
- DIN 51524, Part 1
- General Electric GEK-32568
- Hägglunds Denison, HF-1
- Hägglunds Denison, HF-0 Bench Tests
- JIS K-2213 type 2
- Siemens TLV 9013 04
- Solar Turbines ES9-224
- U.S. Military MIL-H-17672D

Typical Properties

WearGuard™ D-A Turbine Oil Series	ASTM Test				
ISO Viscosity Grade		32	46	68	100
Viscosity @ 40°C,cSt	ASTM D445	32	46	68	100
Viscosity @ 100°C,cSt	ASTM D445	5.4	6.8	8.9	11.5
Viscosity Index	ASTM D2270	105	105	105	105
Flash Point, °C/°F	ASTM D92	221/430	224/435	229/445	235/455
Pour Point, °C/°F	ASTM D97	-38/-36	-35/-31	-23/-9	-16/4
API Gravity	ASTM D287	31.8	30.9	29.9	29.5



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