

**WearGuard™ D-A SYN Turbine Oil Series** begins with premium synthetic PAO base oils optimized for extended drain intervals while providing outstanding protection even in the most demanding operating conditions. This high-performance product exhibits superior thermal stability, reduced volatility and compatibility with mineral oils including elastomers and seals.

**WearGuard™ D-A SYN 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

- Synthetic performance for extended drain intervals
- Excellent R&O inhibitor
- Thermal stability
- Reduces maintenance costs
- Anti-foam properties

### Meets or Exceeds

- Alstrom HTGD 90117
- Cincinnati Milacron P-38, P-55, P-57
- Din 51524, Part 1; 51515 Part 1
- Denison HF-1
- General Electric GEK-23568, GEK-107395
- Hagglands-Dennison HF-0 Bench Tests
- Siemens TLV 9013 04
- Solar Turbines ES9-224

### Typical Properties

WearGuard™ D-A SYN Turbine Oil Series	ASTM Test			
ISO Viscosity Grade		32	46	68
Viscosity @ 40°C,cSt	ASTM D445	31	46	69
Viscosity @ 100°C,cSt	ASTM D445	5.97	9.4	12.9
Viscosity Index	ASTM D2270	144	191	193
Flash Point, °C/°F	ASTM D92	243/470	210/415	230/445
Pour Point, °C/°F	ASTM D97	-68/-90	-50/-60	-40/-40
FZG Load Stage	DIN-51354	n/a	11	11
Four ball wear-40Kg.,1200rpm, 1 hr@75°C, Scar Diameter, mm	ASTM D4172	n/a	0.53	0.52
Specific Gravity	ASTM D1298	0.835	0.98	0.98
Density, lb/gal 60°F	D4052	6.95	0.99	0.99



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Made in  
USA

Industrial Synthetic Turbine Oils