



Hydroclear™ Turbine Oil Plus

Conoco Hydroclear™ Turbine Oil Plus is specifically developed for improved thermal and oxidation stability and is recommended for gas and steam turbines. Hydroclear™ Turbine Oil Plus meets the requirements of major turbine manufacturers, and can be used successfully in pumps, bearings, rotary compressors, motors and a variety of other industrial applications where a premium rust- and oxidation-inhibited oil is recommended.

Applications

Hydroclear Turbine Oil Plus meets the performance requirements of:

- ABB/Alstom HTGD 90117
- Cincinnati Machine Specification P-38
- DIN 51517 Part 1, Lubricating Oil, Type CL
- DIN 51524 Part 1, R&O Hydraulic Oil, Type HL
- General Electric GEK46506d, 32568f, 107395a, 28143a, 27070 (obsolete)
- Ingersoll-Rand Centak Centrifugal compressors
- Mitsubishi Heavy Industries, Type 2 Turbine Oil
- Siemens/Westinghouse TLV 901304
- Solar ES9-224, Class II Turbine Oil
- Toshiba
- U.S. Steel 126, R&O Inhibited Hydraulic Oil

Outstanding Features

- Improved oxidation control and thermal stability
- Long oil life and reduced operating and maintenance costs
- Reduction or elimination of harmful sludge and varnish deposits
- Resistance to foaming
- Rapid water separation
- Rapid air and gas separation
- Excellent low-temperature performance

**Hydrocracked
Premium
Turbine Oil**

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Hydrclear™ Turbine Oil Plus
Typical Properties

ISO Grade	32
Viscosity,	
cSt @ 40°C	32
cSt @ 100°C	5.4
SUS @ 100°F	165
SUS @ 210°F	44
Viscosity Index	103
Pour Point,	
°F	-40
°C	-40
Flash Point (COC),	
°F	410
°C	210
ASTM Color	0.5
Density, lb/gal	7.18
Oxidation Stability, TOST, ASTM D943, hrs	12,500
Oxidation Stability, RPVOT, ASTM D2272, mins	1,200
Demulsibility, ASTM D1401, mins to pass	10
Zinc, ppm	5 max
Dielectric Strength, ASTM D877, kV	30 min
Total Acid Number (TAN), ASTM D974	0.08
Copper Corrosion, ASTM D130	1a
Rust Test, ASTM D665 A&B	Pass

Due to continual product research and development, the information contained herein is subject to change without notification.

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