



## Heavy Duty Turbine Oils

Eco Ultra® Heavy Duty Turbine Oils are formulated to completely satisfy the lubrication requirements of steam, hydraulic and gas turbines. These oils are made with carefully refined high viscosity index base oils specifically treated to exhibit outstanding viscosity temperature characteristics to provide superior lubrication for turbine bearings and main propulsion gears, even in extreme heat and moisture conditions.

Selected ingredients are blended with these stocks to impart high oxidation stability and effective rust and corrosion resistance to extend the life of moving parts. Eco Ultra Heavy Duty Turbine Oils contain a water additive that enhances moisture droppage and an anti-foam additive, which alters the surface tension of the oil for fast air release to prevent foaming.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>ISO 68</u>	<u>ISO 320</u>
Viscosity @ 40°C, cSt	D-445	68.4	320.0
Viscosity @ 100°C, cSt	D-445	8.66	24.50
Viscosity Index	D-2270	98	97
Flash Point, COC, °C	D-92	220	270
Flash Point, COC, °F	D-92	428	518
Pour Point, °C (°F)	D-97	-23 (-10)	-9 (15)
Color	D-1500	2.0	5.0
Gravity, °API	D-287	29.5	26.5
Turbine Oil Oxidation	D-943	2000+	2000+
Rust Test	D-665	Pass	Pass
Copper Strip Test	D-130	1	1

Meets or exceeds the following tests and requirements:

- Denison – HF-1
- Cincinnati Milacron – P-38, P-54, P-55, P-57

Recommended for use in the following environments:

- Industrial Plants
- Utility Plants
- Railroad Engines
- Vacuum and Deep Well Pumps
- Marine Engines
- Electric Motors (oil-lubricated)
- Anti-Friction Bearings