



CountryMark®

LUBRICANTS

Product Data Sheet
Turbine XL

Description

Turbine XL is an ASHLESS hydraulic, turbine and circulating oil with rust and oxidation (R&O) inhibitors. This oil is formulated to provide superior oxidation stability, rust and corrosion protection, minimum foam, fast air release, rapid water separation and excellent thermal stability. These oils are designed to meet the demands of gas, steam, and hydroelectric turbine bearing lubrication, and lubrication of reduction gears in marine operations.

Applications

Meets the performance requirements of the following:

- DENISON HF-0, HF-1
- CINCINNATI MACHINE P38, P54, P57
- GENERAL ELECTRIC GEK 32568E
- SOLAR TURBINES ES 9-224U

Turbine XL provides dependable turbine lubrication with trouble free performance. These oils meet the requirements of major turbine builders including GE, Siemens, Westinghouse, ABB Alsthom, Elliot and Deman Delaval steam turbines. General recommendations for various types of turbines are:

Type Turbine:	Viscosity – cSt @ 40 °C	ISO Grade
<u>STEAM TURBINES</u>		
Direct Drive – ring oiled w/water cooling	54-75	68
Direct Drive – forced feed	30-38	32
Gear Drive – forced feed	54-75	68
<u>HYDRAULIC TURBINES</u>		
Large Vertical Machine	54-75	68
Small Vertical Machines	30-38	32
Horizontal Machines	30-38	32

Typical Properties

ISO Grade	32	46	68	100	150	220
Approximate SAE Grade	(10W)	(20W)	(20)	(30)	(40)	(50)
Viscosity @100°C cSt	5.55	6.75	8.72	12.0	14.5	18.5
Viscosity @40°C cSt	32	46	68	100	150	220
Viscosity Index	108	100	100	100	95	93
Oxidation Stability (Hrs)	4000+	4000+	3000+	3000+		

Safety and Health

A material safety data sheet is available upon request. Used motor oil contains combustion by-products, which may be harmful. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water. Don't pollute - return used oil to a collection center.

CountryMark Advantage™ Lubricants

For additional information contact

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