

# LUBRAL TURBINAS ALTO DESEMPEÑO ISO VG 46

## TURBINE OIL

### DESCRIPTION

Lubricating oil manufactured with hydrotreated bases and high quality additives that provide it with exceptional characteristics against oxidation, corrosion and rust, it was also developed to offer better performance capable of meeting the demands of industrial turbines and hydroturbines and for other systems that require a long service life and the additive system that provide an extremely high level of chemical and thermal stability, as well as a high viscosity index that allows it to perform in a wide range of operating temperatures. It has a complete separation of water and oil and resists the formation of emulsions.

### BENEFITS

- Excellent resistance to oxidation, rust and corrosion.
- Excellent demulsibility.
- Optimal viscosity for severe operating conditions.
- Excellent protection against wear.
- High viscosity index.
- High chemical stability.
- High thermal stability
- Stability to oxidation.
- Resistance to formation of varnishes and sludge.
- Resistance to foaming.
- Reduction of problems and cost of maintenance.
- Operation of the most efficient systems.
- Extends the life of the equipment.
- Avoid cavitation of the pumps and without noise.

### APPLICATIONS

It is recommended for use in steam turbine bearings, splash lubricated turbines, multiplier hydroturbines, gas blowers, hydraulic pumps, centrifuges and rotary and / or piston air compressors, and some circulation systems and auxiliary equipment, water pumps, motors High performance electric motors that require an oil with a low tendency to carbon formation and a high viscosity index that allows it to lubricate at high operating temperatures..

### MEET THE FOLLOWING SPECIFICATIONS

DIN 51524, p.1 (HL);DIN 51517, p.2 (CL); ANFOR NF E 48-603(HL); CINCINNATI MILACRON P-38(HL-32), P-55(HL-46),P-54 (HL-68),P-57(HL-150),P-62(FC-10),DIN 51515,p.1(L-TD),p.2(L-TG);SIEMENS TLV 9013 04;BS 489;GEK 32568 A/C;MIL-L-17672 D, CEGB 207001;BROWN BOVERI HTGD 90117;ALSTOM HTGD 90 117 V0001 S; U.S. STEEL 120; WESTINGHOUSE ELECTRIC CORP. TURBINE OIL SPEC.

# LUBRAL TURBINAS ALTO DESEMPEÑO ISO VG 46

## TURBINE OIL

### CHARACTERISTICS

TEST	TEST METHOD	TYPICAL VALUE
ISO Viscosity Grade		46
Color	ASTM D1500	0.5
Apperance	Visual	Brilliant
Density @20°C, g/ml	ASTM D1298	0.86
Kinematic Viscosity @40°C, cSt	ASTM D445	46
Kinematic Viscosity @100°C, cSt	ASTM D445	7
Viscosity Index	ASTM D2270	108
Flash Point COC, °C	ASTM D92	218
Demulsibility oil-water-emulsion ml in 30 minutes	ASTM D1401	40-40-0
Resistence to rust formation	ASTM D665	Pass
Foam tendences ml/min, máx.	ASTM D892	
Sequence I		20/0
Sequence II		50/0
Sequence III		20/0

Typical Characteristics are those obtained with normal tolerance of production and no constitute a specification. Variations, that do noot affect the yield producto during the normal manufacturing and on different mixing locations are expected.

Information contained in this document is held to changes without previous advisement. The availability of the products could vary depending on the location. For further information, contact [venta@lubral.com](mailto:venta@lubral.com)