Aturbrio

Steam, Gas and Hydropower Turbine Oil

Product Description:

Veedol Aturbrio oils are high performance turbine oils meant for lubrication of industrial steam, gas, and hydropower turbines and suitable for turbocompressors as well.

Formulated from high quality base oils and zinc-free additives, they offer improved performance, meeting the requirements of most demanding industrial turbines requiring no enhanced anti-wear perfomance for gearboxes.

Performance Specifications:

Veedol Aturbrio meet & exceed the performance requirements of

- Siemens TLV 901304 and TLV 901305
- Alstom HTGD 90117 W0001
- DIN 51515 part I & II
- GEK 32568G, 27070, 46505E
- IS 1012: 2002 (Reaffirmed 2013)

Features/Benefits:

- Outstanding Oxidation Stability minimizes deposit formation and filter plugging. Ensures longer operating life, lowers maintenance and operating cost.
- Excellent Water Separability helps easy removal of water from lubrication system minimizing corrosion and rusting, increasing equipment reliability.
- Faster Air Release and High Resistance to Foaming reduces the possibility of cavitation failure, premature oil oxidation.
- Good Thermal Stability provides resistance to thermal breakdown to offer optimum life and performance.

Application:

- Recommended for use in most modern steam, gas and hydropower turbines requiring no enhanced anti-wear performance for the gearboxes
- Centrifugal, axial, and turbocompressors where R&O type turbine oils are recommended.
- Also suitable for lubrication of bearings requiring high control over rust and corrosion.

Typical Properties:

Parameters	Test Method	32	46	68
Density @ 29.5°C	ASTM D4052	0.843	0.845	0.850
Kinematic Viscosity @ 40°C, cSt	ASTM D445	32.4	46.8	68.8
Kinematic Viscosity @ 100°C, cSt	ASTM D445	5.77	7.39	9.26
Viscosity Index	ASTM D2270	120	120	111
Flash Point (COC), °C	ASTMD92	236	238	248
Pour Point, °C	ASTM D97	-18	-18	-15
Copper Corrosion at 100°C, 3 hours	ASTM D130	1a	1a	1a
Foaming Tendency/ Stability Sequence I, mL/mL Sequence II, mL/mL Sequence III, mL/mL	ASTM D892	 0/0 10/0 0/0	 0/0 10/0 0/0	 0/0 10/0 0/0
TOST life, hours.	ASTM D943	> 10,000	> 10,000	> 10,000
Total Acid Number, mg KOH/g	ASTM D664	0.10	0.10	0.11
Rust Test	ASTM D665	Pass	Pass	Pass
Air release @ 50°C, minutes	ASTM D3427	1'52"	3'04"	5'41"
Water separability, minutes	ASTM D1401	2'21"	2'25"	6'37"
RPVOT (Oxidation stability), minute	ASTM D2272	>1700	>1700	>1700

The above typical properties are those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

STORAGE
All packages should be stored under cover. It should not be exposed to direct sunlight, intense cold and extreme temperature fluctuations. Where outside storage is unavoidable, drums should be laid horizontally or properly covered to avoid the possible ingress of water and damage to drum markings.

HEALTH, SAFETY AND ENVIRONMENT
The informtion on this product is available in the Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information, we recommend you review the MSDS. If handled correctly, there are no special precautions suggested.

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