



SAVSOL SUPER TURBINE FLUID AW SERIES

DESCRIPTION:

SAVSOL SUPER TURBINE FLUID AW Series are high quality superior long life Turbine oils. They are formulated with high quality hydro-treated base oils (which have extremely low 'S') and fortified with EP & Anti-Wear additives which give excellent protection to geared steam and gas turbines. This technology is designed to give outstanding Demulsification performance and turbine oil life.

APPLICATION:

SAVSOL SUPER TURBINE FLUID AW Oils are recommended for use in large geared, open and combined cycle, gas and steam turbines, high speed turbo compressors, turbo compressors for gas and atomic power generation and turbines that operate under severe operating conditions. These fluids offer long life nearly twice that of conventional turbine oils.

SPECIFICATIONS & APPROVALS:

SAVSOL SUPER TURBINE FLUID AW Turbine Oils meet the following performance specification requirements:

- | | |
|-----------------------------------------------|------------------------------------|
| ➤ Siemens TLV 9013 04 (EP) | ➤ GEK 32568G |
| ➤ Siemens TLV 9013 05 (EP) | ➤ <i>GEK 27070</i> |
| ➤ Alstom HTGD 90117 W0001 (EP) | ➤ <i>GEK 46505 E</i> |
| ➤ China's Turbine Specification GB 11120-2011 | ➤ <i>CM P-38, P-55, P-5</i> |
| ➤ SKODA Tp 0010P/97 | |
| ➤ DIN 51524 Part I & Part II | ➤ <i>Czech Standard CSN65 6620</i> |

SAVSOL SUPER TURBINE FLUID AW 32 & 46 are approved by Siemens for both TLV 9013 04 & TLV 9013 05 for Turbines with and without Gear applications. Also approved by DOOSAN SKODA as per Tp 0010P/97.

ADVANTAGES:

SAVSOL SUPER TURBINE FLUID AW Series Turbine Oils offer the following advantages:

- Formulated with high quality hydro-treated base oils which offers excellent thermal stability.
- Provides good deposit control leading to longer fluid service intervals and reduction in varnish related equipment failures and down time.
- Its efficient Anti-wear/EP property gives longer life for gear sets and bearings as well as reliable operation of control systems in geared steam and gas turbines.
- Formulated to display outstanding water separation properties not only for the fresh oil, but throughout the oil's life for efficient lubrication.
- Robust Rust & Anti-corrosion performance for maximum equipment protection.
- Excellent foam control results in reliable operation.

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TECHNICAL SPECIFICATIONS: SAVSOL SUPER TURBINE FLUID AW SERIES

Characteristics	ASTM METHOD	SAVSOL SUPER TURBINE FLUID AW		
		ISO VG 32	ISO VG 46	ISO VG 68
Density @ 29.5°C, gm/cm ³	ASTM D 1298	0.8398	0.8420	0.8440
ASTM Colour	ASTM D 1500	L0.5	L0.5	L0.5
Flash Point, COC, °C	ASTM D 92	224	230	238
Pour Point, °C	ASTM D 97	-18	-18	-15
Kin. Viscosity @ 40°C, cSt	ASTM D 445	31.20	46.70	67.21
Kin. Viscosity @ 100°C, cSt	ASTM D 445	5.49	7.20	9.15
Viscosity Index	ASTM D 2270	115	114	112
Total Acid Number, mg KOH/gm of Oil	ASTM D 664	0.09	0.10	0.10
Copper Corrosion Test	ASTM D 130	1a	1a	1a
Emulsion Characteristics, min	ASTM D 1401	40-40-0(5)	40-40-0 (5)	40-40-0 (7)
Foaming Characteristics Seq.I at 24°C Seq.II at 93.5°C Seq.III after 93.5°C	ASTM D 892	0/0 0/0 0/0	0/0 0/0 0/0	0/0 0/0 0/0
ISO Cleanliness	ISO 4406	17/15/12	17/15/12	17/15/12
Oxidation Stability Test (TOST), Hrs	ASTM D943	>10000	>10000	>10000
FZG Rig Test, Failure Stage, Min	ASTM D5182	11	12	12

The above details are typical results of normal production and variations in these characteristics may occur. The information contained herein is subject to change without notification. All recommendations and suggestions are without guarantee and the manufacturers do not accept liability for any loss or damage, however arising, which results directly from the use of such information, nor do we offer any warranty.

Storage:

Store the products indoors and avoid direct sunlight or heat. Please keep the container in closed condition always.

Environment, Health and Safety

- Do not dispose the used oil to soil, drains and water. Dispose the used oil through authorized collection point
- This product is unlikely to present any safety & health hazard when properly used in the recommended application.
- Avoid contact with skin and eyes. After skin contact, wash with water and soap.

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