SRS Wiolan GT

Turbine Oils

February 2012

Characteristics

SRS Wiolan GT gas turbine oils are manufactured on a basis of highly solvent refined, hydrogenated technical white oils. Their out-standing properties are the exceptional thermal and oxidation stability, very good air release properties, low foaming tendency and excellent corrosion protection. The well-balanced combination of additives allows SRS Wiolan GT turbine oils to meet all requirements from manufacturers of steam and gas turbines and turbo-compressors with substantial reserves.

Application

SRS Wiolan GT turbine oils are specially developed for the operation of highly loaded industrial gas turbines and turbo compressors with connected gears and common oil circuit. Selected additives ensure maximum oil retention times even at unfavourable oxidative and thermal conditions. SRS Wiolan GT oils are also used for lubrication in transmissions as well as in hydraulic and recirculating systems in cases where the manufacturer has specified turbine oils properties.

Performance / Specifications

SRS Wiolan GT turbine oils met the requirements:

- DIN 51 515 Part 1 L-TD
- DIN 51 515 Part 2 L-TG
- ISO 8068 L-TSA
- ISO 8068 L-TGA
- ISO 8068 L-TGB
- ISO 8068 L-TGSB

Approvals

- Siemens TLV 901305
- MAN Turbomaschinen

Application

The following specifications of major turbine manufacturers are exceeded:

- ABB/Alstom HTGD 90117
- General Electric GEK 28143
- General Electric GEK 32568

SRS Wiolan GT oils are products of the H&R ChemPharm GmbH.

Typical Data		Test Method	SRS Wiolan		
			GT 32	GT 46	GT 68
Designation		DIN 51 502	L-TD/L-TG	L-TD/L-TG	L-TD/L-TG
Density at 15°C	g/cm³	DIN 51 757	0.867	0.873	0.875
Kin. Viscosity at 40°C	mm²/s	DIN EN ISO 3104	32	46.6	67
Kin. Viscosity at 100°C	mm²/s	DIN EN ISO 3104	5.4	6.8	8.8
Flash Point COC	°C	DIN ISO 2592	226	238	256
Pour Point	°C	DIN ISO 3016	-9	- 12	- 9
Neutralization Number	mgKOH/g	DIN 51 558/2	0.08	0.06	0.04
Air Release Properties at 50°C	min	DIN 51 381	3	4	5
Water Separation Ability	s	DIN 51 389	70	90	60
RPVOT	min	ASTM D 2272	> 1500	> 1500	> 1500

The above values may vary within the commercial limits.

Made in Germany

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