

## STRUB STE

Turbine oils and recirculating lubricants



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### Description

Highly refined special base oils with increased viscosity index and active ingredients to increase oxidation resistance and optimize corrosion protection on steel and copper.

### Application

As lubricating and governor oil for steam, water and gas turbines. For bearing lubrication in turbines and generators and in high-speed reduction gears. These oils can also be used in vacuum pumps, compressors and hydraulic systems.

### Features and advantages

- very good air and water separating capacity
- no tendency to foam formation
- optimal wear protection

### Specifications

DIN 51515/Part 1 (L-TD), DIN 51515/Part 2 (L-TG)  
DIN 51506 (VBL, VCL, VDL); ISO 6521 (DAA, DAB, DAH, DAG)  
ISO 8068 L-TGA, L-TSA type AR  
DIN 51517/Part 2 (Lubricant CL)  
DIN 51524/Part 1 (Lubricant HL)

OEM approval

Siemens TLV 901304 and TLV 901305

For use in Siemens turbo sets with and without gearbox Siemens industrial turbo machine specification.

The information in this technical data sheet is based on general knowledge and application possibilities. STRUB + Co. AG is not liable for damage resulting from improper use of the products. The industry-standard measurement and production tolerances apply to the specified characteristic. Generally, no legal binding can be derived from these data. Our products are subject to continuous further development. Therefore, STRUB + Co. AG reserves the right to change all technical data in this data sheet at any time and without prior notice.

### Technical data

ISO- VG Art. No.	Test method	32 30950	46 30940	68 33039
Density 20°C g/cm <sup>3</sup>	DIN 51757/1	0.840	0.860	0.860
Viscosity 40°C mm <sup>2</sup> /s	ASTM D445	32	46	68
Viscosity 100°C mm <sup>2</sup> /s	ASTM D445	5.95	7.05	9.40
Viscosity index	DIN 2909	135	108	111
LAV 50°C (min)	DIN 9120	2	2	2
Neutral number mg KOH/g	DIN 51558-1	0.06	0.06	-
Foaming behavior	ASTM D892	0/0	0/0	0/0
Water separation (s)	DIN 51589-1	90	90	-
RPVOT (min)	ASTM D 2272	1300	1280	-
Pour point °C	DIN 3016	-30	-36	-33
Flash point °C	DIN 2592	230	234	-
Copper corrosion	DIN 2160	1A	1A	1A
Corrosion test/steel	DIN 7120	pass	pass	pass
FZG-test	DIN 14635-1	10	11	11

### Transport

ADR/SDR No dangerous goods

### Disposal

LVA VeVA / EAK: 13 01 13

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