

Product Information



SUNOCO S.T.O. range

Description The S.T.O. range is based on high quality base oils to which specific additives have been added to get an high resistance against oxidation. They show very little foam behaviour and excellent air separating properties.

Application The S.T.O. range is being applied as system and control oil in steam turbines, but can also be used in some certain lightly loaded gas turbines. The oil is also suitable for high speed gear oil transmissions being lubricated by the turbine oil system.

Specifications

- ISO VG 32 and 46
- ASTM D 4304 type I/II
- DIN 51515 part 1 type L-TD/part 2 type L-TG
- ISO 6743/5 type L-TSA/TSE/TGA/TGE
- Alstom HTGD 90 117 V0001 S
- Brown Boveri HTGD 90117
- General Electric GEK 32568 A/C
- US Steel 120
- British Standard BS 489
- CEEB Standard 207001
- MIL-L-17672 D
- Westinghouse Electric Corp. TOS

Properties

- Excellent water separating properties.
- Outstanding protection from corrosion (even with condensed water presence).
- High thermal stability and good oxidation control.
- Fast air separating properties.
- Very low foaming tendency.
- Neutral towards most sealing materials and non-iron metals.
- Outstanding EP-properties needed in common lubricating oil systems of turbines and gear transmissions.

Typical analysis:

S.T.O.:	32	46
Density at 15° C.	0.844	0.865
Viscosity at 40° C. / cSt.	32	46
Viscosity at 100° C. / cSt.	5.9	6.5
Viscosity index	140	104
Flash point °C.	210	220
Pour point °C.	-18	-18

All technical data is provided for reference only.

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