CTPS Series

Turbine Lubricant

Your benefits at a glance

- Keeps system varnish and deposit free
- Eliminates need for special ionic filtrations
- Increases energy savings

Your requirements - our solution

Our CTPS Series are premium blend turbine lubricants developed for high temperature steam, gas and combined cycle applications. They are formulated for use in geared and non-geared high output turbines. CTPS Series lubricants are a combination of high quality hydrotreated petroleum basestocks combined with the highest quality synthetics used in jet turbine applications. They are formulated to avoid the need for "bleed and feed" operations that may require an additional two or three times the original oil volume as make-up oil. The synthetics in CTPS Series help keep the system free of varnish and deposits which will eliminate the need for special ionic filtrations and reduces the chances of stuck servo valves in systems equipped with hydraulics. The synthetics also help friction in gears which can result in significant energy savings over the life-span of the turbine. This can be especially true for integrally geared centrifugal compressors.

Material safety data sheets

Material safety data sheets can be requested via our website https://www.klsummit.com. You may also obtain them through your contact person at Summit Lubrication.

Characteristics	CTPS-32	CTPS-46
Article number	340483	340484
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 54°C	40/40/0 (15) (min)	40/40/0 (15) (min)
Density	-	0.871 g/cm³
Density, 20°C	approx. 0.865 g/cm³	-
Flash point, Cleveland open cup	-	≥ 225 °C
Flash point, ASTM D92, Cleveland open cup	≥ 225 °C	-
Ignition Point	approx. 353 °C	approx. 356 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 5.5 mm²/s	approx. 6.8 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 32 mm²/s	approx. 45 mm²/s
Viscosity index, ASTM D2270	approx. 108	approx. 104
Copper corrosion, ASTM D130, 24 h, 100°C	1 - 100 - 24 corrosion degree	1 - 100 - 24 corrosion degree
Steel corrosion, DIN ISO 7120 / ASTM D665, method B, 24 h, 60°C	rust-free	rust-free
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -16 °C	approx. -17 °C
Oxidation stability, ASTM D2272, Rotating Pressure Vessel Oxidation Test (RPVOT)	approx. 1400 min.	approx. 1350 min.
FZG scuffing test, failure load stage	12	12

a brand of KLÜBER LUBRICATION

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Characteristics	CTPS-32	CTPS-46
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months

Summit Lubrication

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

Summit Lubrication a brand of Klüber Lubrication NA LP /
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