

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
Air release properties	2.3 min	3.2 min
Demulsifying capacity	40/40/0 (5) (min)	40/40/0 (10) (min)
Density	0.865 g/cm ³	0.871 g/cm ³
Flash point	205 °C	225 °C
Ignition Point	353 °C	356 °C
Kinematic viscosity, 100°C	5.4 mm ² /s	6.8 mm ² /s
Kinematic viscosity, 40°C	31.4 mm ² /s	44.8 mm ² /s
Viscosity index	102	106
Copper corrosion	1 - - corrosion degree	1 - - corrosion degree
Steel corrosion	passed	passed
Pour point	-18 °C	-19 °C
Oxidation stability	1400 min.	1362
FZG scuffing test	12	12
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

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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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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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