

Syngear® WT Series

Synthetic gears/Heavy Duty



Your benefits at a glance

- Thermal and oxidation stability
- High viscosity index
- Low temperature pumpability and fluidity

Your requirements - our solution

Summit Syngear WT Series lubricants are fully synthetic high performance gear oils enhanced with new generation anti-micropitting additives. The PAO base oil has outstanding oxidation and thermal stability, naturally high viscosity index and excellent low temperature pumpability and fluidity. The additive system not only minimizes scuffing wear, but offers a high level of resistance to micropitting fatigue. High load carrying capability and low sludge formation make these superior lubricants a choice for many industrial applications. Syngear WT Series provides maximum protection against rust, corrosion, and foaming.

Application

Summit Syngear WT Series are recommended for highly loaded enclosed gearing as well as plain and rolling element bearings. These shear stable lubricants resist damage to gear teeth caused by repeated shock loads. Syngear WT Series lubricants are ideal for wind turbine gear boxes, mine hoist gearboxes, crane gearing, and other enclosed gearing which requires micropitting resistance. Highly loaded gearboxes in the steel, paper and cement industries are natural applications. These extended life oils perform very well in extreme environments.

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	Syngear WT-680
Article number	340560
Service temperature, lower limit	-40 °C
Service temperature, upper limit	140 °C
Flash point, DIN EN ISO 2592, Cleveland open cup	≥ 230 °C
ISO viscosity grade, DIN ISO 3448, ISO VG	680
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 73 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 680 mm²/s
Viscosity index, DIN ISO 2909	approx. 186
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	≤ -40 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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 /
9010 County Road 2120, Tyler, TX 75707 /
Phone: +1 800 749 5823 / www.klsummit.com

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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