Syngear® Heavy Duty Series

Synthetic gears/Heavy Duty

Your benefits at a glance

- Reduces frictional drag
- Protects gears against heavy loading failures
- Reduces energy requirements

Your requirements - our solution

Most industries in todaýs world are shifting their focus toward efficiency improvements by putting an emphasis on reducing energy requirements for equipment used in plant operations and for vehicular equipment. Technological advances in lubricants have helped reduce the input power used to operate equipment by reducing friction. Summit has developed synthetic gear oils which will not only reduce frictional drag, but will also protect gears against failures associated with heavy loading. Syngear Heavy Duty Series meet the requirements of the API designations GL-5 & MT-1, the MIL-L-2105E specification, SAE J2360 and the Mack GO-J specifications. Summit Syngear Heavy Duty Series lubricants are designed to meet the requirements of Eaton and Rockwell differentials.

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 75W/90	SYNGEAR 75W/140	SYNGEAR 80W/140
Article number	340007	340317	340008
Density, 20°C	approx. 0.856 g/cm³	approx. 0.852 g/cm³	approx. 0.858 g/cm³
Flash point, ASTM D92, Cleveland open cup	≥ 200 °C	≥ 200 °C	≥ 200 °C
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 15.1 mm²/s	approx. 26.1 mm²/s	approx. 28.9 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 92 mm²/s	approx. 184 mm²/s	approx. 222 mm²/s
Viscosity index, ASTM D2270	approx. 172	approx. 177	approx. 169
Copper corrosion	-	1 - - corrosion degree	1 - - corrosion degree
Copper corrosion, ASTM D130, 3 h, 100°C	1 - 100 - 3 corrosion degree	-	-
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -42 °C	approx. -52 °C	approx. -52 °C
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	36 months

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Product information

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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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