MultiPump SPO Series

Synthetic gear lubricants

Your benefits at a glance

- Outstanding oxidation and thermal stability
- Withstands extreme pressure
- Provides maximum protection against wear, rust corrosion and foaming

Your requirements - our solution

Summit MultiPump SPO Series gear lubricants are formulated with synthetic base stocks and fortified with select additive systems to enhance their exceptional performance. The PAO base fluid used has outstanding oxidation and thermal stability, naturally high viscosity index and excellent low temperature pumpability and fluidity. The unique additive system used provides increased oxidation stability, extreme pressure properties, and maximum protection against wear, rust, corrosion and foaming.

Summit MultiPump SPO synthetic gear lubricants have proven to reduce friction, thereby reducing the input power to operate the equipment or increasing the available power output. This product line meets the requirements of U.S. Steel 224 specification, AGMA 9005-D94 specification, DIN 51517 Part 3 CLP specification and API GL-4 Gear Service Category.

Summit MultiPump SPO Series gear lubricants are recommended for use in all types of enclosed gearing with specific focus on Multiplex Pumps. These lubricants are ideal for the complex tribological requirements of multiplex pump such as high temperatures, heavy loads and extreme environments. Summit MultiPump SPO Series gear lubricants are compatible with most seal materials, paints and plastics, including nitrile buna N, neoprene, Viton®, Teflon®, polyethylene, polyurethane ether, fluorocarbon, polyacrylate, polysulfide, ethylene acrylic, epoxy, plastisol, PVC, acrylic paint and lacquer.

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	MultiPump SPO-100	MultiPump SPO-150	MultiPump SPO-220	MultiPump SPO-320
Article number	340571	340572	340573	340574
Density	0.854 g/cm³	0.865 g/cm³	0.87 g/cm³	0.87 g/cm³
Flash point	204 °C	200 °C	200 °C	200 °C
Kinematic viscosity, 100°C	12.9 mm²/s	17.8 mm²/s	25.4 mm²/s	32.8 mm²/s
Kinematic viscosity, 40°C	95.7 mm²/s	147 mm²/s	232 mm²/s	342 mm²/s
Viscosity index	132	133	134	134
Copper corrosion	1 - - corrosion degree	1 - - corrosion degree	1 - - corrosion degree	1 - - corrosion degree
Steel corrosion, DIN ISO 7120 / ASTM D665, method A, 24 h, 60°C	rust-free	rust-free	rust-free	rust-free
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-41 °C	-45 °C	-43 °C	-40 °C
Four-ball tester: wear characteristics	0.30 mm	0.39 mm	0.34 mm	0.30 mm
Four-ball tester, welding load	200 kgf	315 kgf	315 kgf	315 kgf
FZG scuffing test	12+	12+	12+	12+

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Characteristics	MultiPump SPO-100	MultiPump SPO-150	MultiPump SPO-220	MultiPump SPO-320
Timken test	65 lbs	65 lbs	65 lbs	65 lbs
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months	60 months	60 months	60 months

Characteristics	MultiPump SPO-460
Article number	340575
Density	0.879 g/cm³
Flash point	200 °C
Kinematic viscosity, 100°C	43.1 mm²/s
Kinematic viscosity, 40°C	490 mm²/s
Viscosity index	139
Copper corrosion	1 - - corrosion degree
Steel corrosion, DIN ISO 7120 / ASTM D665, method A, 24 h, 60°C	rust-free
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-37 °C
Four-ball tester: wear characteristics	0.30 mm
Four-ball tester, welding load	315 kgf
FZG scuffing test	12+
Timken test	65 lbs
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 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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