

HYPAR FG Series

Food grade chain, hydraulic and pump lubricant



Your benefits at a glance

- Fortified with oxidation corrosion inhibitors
- Contains anti-wear additives
- Extended life lubricants

Your requirements - our solution

Summit HyPar FG Series are zinc-free ashless lubricants formulated for hydraulic systems, centrifugal and vacuum pump applications operating in the food service, beverage, and packaging industry. These products can also be used for drive, control and transport chain applications in the food industry. HyPar FG Series lubricants are NSF H1 registered. They are Kosher approved and Halal certified. Summit is an ISO 21469 certified facility.

HyPar FG Series lubricants are fortified with oxidation and corrosion inhibitors, as well as anti-wear additives to enhance the superior qualities offered by the food grade base stock. They are extended

life lubricants and have the same elastomer compatibility as the summit HyPar Series oils.

HyPar FG-32, FG-46, FG-68 lubricants do not produce an iridescent appearance (sheen) on the surface of the water when tested in accordance with the U.S. Coast Guard Static Sheen Test.

Percent by weight:

- Phosphorous 0.0695
- Sulfur 0.047

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	HYPAR FG-15	HYPAR FG-22	HYPAR FG-32	HYPAR FG-46
Article number	340279	340250	340231	340232
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 54°C	40/40/0 (10) (min)	40/40/0 (10) (min)	40/40/0 (10) (min)	40/40/0 (10) (min)
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 82°C	-	-	-	-
Density, 20°C	approx. 0.851 g/cm ³	approx. 0.851 g/cm ³	approx. 0.859 g/cm ³	approx. 0.857 g/cm ³
Flash point, ASTM D92, Cleveland open cup	≥ 175 °C	≥ 175 °C	≥ 180 °C	≥ 185 °C
ISO viscosity grade	15	22	32	46
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 3.6 mm ² /s	approx. 4.2 mm ² /s	approx. 5.5 mm ² /s	approx. 6.9 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 16.3 mm ² /s	approx. 22 mm ² /s	approx. 32.0 mm ² /s	approx. 46 mm ² /s
Viscosity index, ASTM D2270	approx. 101	approx. 101	approx. 107	approx. 105
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -20 °C	approx. -19 °C	approx. -19 °C	approx. -18 °C

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Characteristics	HYPAR FG-15	HYPAR FG-22	HYPAR FG-32	HYPAR FG-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	36 months	36 months

Characteristics	Hypar FG-68	HYPAR FG-100
Article number	340233	340237
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 54°C	40/40/0 (10) ml (min)	-
Demulsifying capacity, DIN ISO 6614 /ASTM D1401, 82°C	-	40/40/0 (10) (min)
Density, 20°C	approx. 0.861 g/cm ³	approx. 0.864 g/cm ³
Flash point, ASTM D92, Cleveland open cup	≥ 230 °C	≥ 225 °C
ISO viscosity grade	68	100
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 9.0 mm ² /s	approx. 11.5 mm ² /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 68 mm ² /s	approx. 100 mm ² /s
Viscosity index, ASTM D2270	approx. 106	approx. 101
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -16 °C	approx. -18 °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

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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