Product information

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
NSF H1 registration number	143614	141887	140372	140373
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. 0.849 g/cm³	approx. 0.851 g/cm³	approx. 0.854 g/cm³	approx. 0.857 g/cm³
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 mm²/s	approx. 4.2 mm²/s	approx. 5.5 mm²/s	approx. 6.9 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 16.3 mm²/s	approx. 22 mm²/s	approx. 32.0 mm²/s	approx. 46 mm²/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

a brand of KLÜBER LUBRICATION

HYPAR FG Series

Food grade chain, hydraulic and pump lubricant

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
NSF H1 registration number	140374	140375
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/cm³	approx. 0.864 g/cm³
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 mm²/s	approx. 11.5 mm²/s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 68 mm²/s	approx. 100 mm²/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 /
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.

Publisher and Copyright: Klüber Lubrication NA LP. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication NA LP and if source is indicated and voucher copy is forwarded.