

HySyn® FG Series

Synthetic hydraulic oil



Your benefits at a glance

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

Your requirements - our solution

Summit HySyn FG Series zinc-free ashless hydraulic oils are formulated specially for hydraulic systems operating in the food service, beverage, and packaging industry. These fully synthetic lubricants are NSF H1 Registered. HySyn FG Series lubricants are Kosher approved and Halal certified. Summit is an ISO 21469 certified facility.

HySyn FG Series lubricants are fortified with oxidation and corrosion inhibitors, as well as anti-wear additives to enhance the superior qualities offered by the synthetic hydrocarbon base stock. They are extended life lubricants and have the same excellent software compatibility as the Summit HySyn Series hydraulic oils.

HySyn FG-46 does 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.

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	HYSYN FG-15	HYSYN FG-22	HYSYN FG-32	HYSYN FG-46
Article number	340474	340199	340468	340469
Demulsifying capacity	40/40/0 (10) (min)	40/40/0 (10) (min)	40/40/0 (10) (min)	40/40/0 (10) (min)
Density	0.815 g/cm ³	0.826 g/cm ³	0.826 g/cm ³	0.83 g/cm ³
Fire point	227 °C	257 °C	274 °C	296 °C
Flash point	≥ 180 °C	≥ 185 °C	≥ 230 °C	≥ 240 °C
Kinematic viscosity, 100°C	3.6 mm ² /s	4.6 mm ² /s	5.8 mm ² /s	7.8 mm ² /s
Kinematic viscosity, 40°C	15.0 mm ² /s	21.7 mm ² /s	30.7 mm ² /s	46.8 mm ² /s
Viscosity index	122	127	134	135
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-75 °C	-70 °C	-63 °C	-57 °C
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	HYSYN FG-68	HYSYN FG-100
Article number	340470	340471
Demulsifying capacity	40/40/0 (10) (min)	40/40/0 (10) (min)
Density	0.833 g/cm ³	0.837 g/cm ³
Fire point	296 °C	307 °C

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Characteristics	HYSYN FG-68	HYSYN FG-100
Flash point	≥ 240 °C	≥ 240 °C
Kinematic viscosity, 100°C	10.4 mm²/s	13.9 mm²/s
Kinematic viscosity, 40°C	68.4 mm²/s	99.3 mm²/s
Viscosity index	139	141
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-54 °C	-51 °C
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

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.

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9010 County Road 2120, Tyler, TX 75707 /
Phone: +1 800 749 5823 / www.klsummit.com

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