

# HyPar Series

Premium hydraulic oil



## Your benefits at a glance

- Compatible with hydraulic system seal materials
- Zinc-free, Ashless
- Protects against rust, wear and sludge

## Your requirements - our solution

Summit HyPar Series are zinc-free ashless hydraulic oils formulated to meet the requirements of all types of hydraulic systems. HyPar oils are rust and oxidation inhibited to protect against rust, wear and the formation of sludge. They are compatible with seal materials normally used in hydraulic systems.

Summit HyPar hydraulic oils contain additives necessary to meet requirements for Denison HF-O, Vickers industrial and mobile applications and Cincinnati Milcron P-68, P-69 and P-70 specifications.

HyPar 32, 46 & 68 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 0.053
- Sulfur 0.111
- Nitrogen 0.018

## 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-22	HYPAR-32	HYPAR-46	HYPAR-68
Article number	340049	340050	320229	340051
Density, 20°C	approx. 0.847 g/cm <sup>3</sup>	approx. 0.854 g/cm <sup>3</sup>	approx. 0.859 g/cm <sup>3</sup>	approx. 0.864 g/cm <sup>3</sup>
Flash point, ASTM D92, Cleveland open cup	≥ 200 °C	≥ 205 °C	≥ 205 °C	≥ 235 °C
ISO viscosity grade	22	32	46	68
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 4.3 mm <sup>2</sup> /s	approx. 5.4 mm <sup>2</sup> /s	approx. 6.8 mm <sup>2</sup> /s	approx. 9.0 mm <sup>2</sup> /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 22.0 mm <sup>2</sup> /s	approx. 32.0 mm <sup>2</sup> /s	approx. 46 mm <sup>2</sup> /s	approx. 68 mm <sup>2</sup> /s
Viscosity index	-	-	-	-
Viscosity index, ASTM D2270	approx. 101	approx. 101	approx. 101	approx. 106
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -45 °C	approx. -45 °C	approx. -42 °C	approx. -36 °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	36 months

# HyPar Series

Premium hydraulic oil



Characteristics	HYPAR-100	HYPAR-150
Article number	340048	340543
Density, 20°C	approx. 0.870 g/cm <sup>3</sup>	approx. 0.873 g/cm <sup>3</sup>
Flash point, ASTM D92, Cleveland open cup	≥ 250 °C	≥ 230 °C
ISO viscosity grade	100	150
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 11.5 mm <sup>2</sup> /s	approx. 15.2 mm <sup>2</sup> /s
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 100 mm <sup>2</sup> /s	approx. 150 mm <sup>2</sup> /s
Viscosity index	approx. 101	-
Viscosity index, ASTM D2270	-	approx. 101
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	approx. -36 °C	approx. -39 °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.

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