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Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

PREMIUM HYDRAULIC

HYPAR SERIES

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 Milacron P-68, P-69 and P-70 specifications.

Physical Properties

PRODUCTS	22	32	46	68	100	150
ISO Grade	22	32	46	68	100	150
Specific Gravity	0.858	0.860	0.864	0.869	0.874	0.878
Viscosity						
@ 40°C, cSt	22.0	33.0	45.2	69.0	100	160
@ 100°C, cSt	4.27	5.47	6.67	8.67	11.5	15.75
@ 100°F, SUS	115	171	240	357	542	741
@ 210°F, SUS	40.6	44.6	48.6	55.4	65.7	73.5
Viscosity Index	97	100	95	97	97	100
Flash Point, °F	400	425	445	475	510	527
(°C)	(204)	(218)	(229)	(246)	(266)	(275)
Fire Point, °F	430	450	475	515	550	573
(°C)	(221)	(232)	(246)	(268)	(288)	(301)
Pour Point, °F	-53	-53	-49	-45	-40	-34
(°C)	(-47)	(-47)	(-45)	(-43)	(-40)	(-37)

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

Shelf Life: Product shelf life is 3 years from the date of manufacture, after which the product should be recertified prior to use.