

July 10, 2007

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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 as of July 10, 2007.

SYNTHETIC HYDRAULIC

HYSYN FG SERIES

Summit HySyn FG Series hydraulic oils are formulated specially for hydraulic systems operating in the food service, beverage, and packaging industry. These fully synthetic lubricants are NSF Registered and meet USDA 1998 (H-1) guidelines (lubricants with incidental food contact). HySyn FG Series lubricants are Kosher approved.

HySyn FG lubricants are fortified with oxidation inhibitors, 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.

Physical Properties

PRODUCTS	FG-15	FG-32	FG-46	FG-68	FG-100
ISO Grade	15	32	46	68	100
Viscosity					
@ 40°C, cSt	15.0	30.7	46.8	64.2	98.0
@ 100°C, cSt	3.58	5.90	7.79	9.73	12.85
@ 100°F, SUS	82	157	238	329	506
@ 210°F, SUS	38.3	46.0	52.3	59.2	70.8
Viscosity Index	122	140	135	134	127
Flash Point, °F	390	460	500	500	505
(°C)	(199)	(238)	(260)	(260)	(263)
Fire Point, °F	445	525	550	555	590
(°C)	(229)	(274)	(285)	(291)	(310)
Pour Point, °F	-103	-81	-71	-71	-60
(°C)	(-75)	(-63)	(-57)	(-57)	(-51)
Specific Gravity	0.816	0.826	0.831	0.837	0.844
NSF Registered	H-1	H-1	H-1	H-1	H-1
Kosher Approval	Yes	Yes	Yes	Yes	Yes
Emulsion Tendency	40/40/0 10 Mins	40/40/0 10 Mins	40/40/0 10 Mins	40/40/0 10 Mins	40/40/0 10 Mins

Percent By Weight Phosphorous 0.0695
 Sulfur 0.047