



TECHNICAL DATA

Rev.06/19

HYSYN FGH SERIES

SYNTHETIC FOOD GRADE HYDRAULIC LUBRICANT

HYSYN FGH SERIES are specially formulated for hydraulic systems operating in the food service, beverage and packaging industries. These fully synthetic hydrocarbon based (PAO) fluids are NSF H-1 approved for lubricants with possible incidental contact with food.

PRODUCT APPLICATIONS:

- Recommended for high-pressure hydraulic systems, cooler conveyors, circulating systems, air compressors and air line applications in and around food processing equipment.
- Excellent anti-wear properties
- Meets requirements for Denison HF-O, Vickers industrial and mobil applications and Cincinnati Milacron P-68, P-69 and P-70 specifications.
- These fully synthetic lubricants are approved by the U.S.D.A. for H-1 applications (lubricants with possible food contact) and comply with the requirements of F.D.A. 21 CFR 1778.3570

PRODUCT FEATURES:

- Colorless, odorless and manufactured from high quality hydrocarbon base stock and contain selective additives to provide long term oxidation stability, rust protection, EP wear protection, and good demulsibility.
- Contain high viscosity index materials for improved high temperature performance and provide protection against varnish and sludge formation.
- Available in 1 gallon, 5-gallon pail or 55-gallon drum

PHYSICAL PROPERTIES:

PROPERTY	TEST METHOD	ISO 15 SAE 5W FGH-15	ISO 32 SAE 10W FGH-32	ISO 46 SAE 15W FGH-46	ISO 68 SAE 20W FGH-68	ISO 100 SAE 30 FGH-100
Viscosity Index	ASTM D 2270	122	140	135	134	127
Viscosity @ 40° C, cSt	ASTM D 445	15.0	30.7	46.8	64.2	98.0
Viscosity @ 100° C, cSt	ASTM D 445	3.58	5.90	7.79	9.73	12.85
Viscosity @ 100°F, SUS	ASTM D 445	82	157	238	329	506
Viscosity @ 210°F, SUS	ASTM D 445	38.3	46.0	52.3	59.2	70.8
Flash Point, ° F	ASTM D 92	370	460	482	485	490
Fire Point, °F	ASTM D 92	430	510	580	580	585
Pour Point, ° F	ASTM D 97	-85	-67	-63	-50	-45
Specific Gravity	ASTM D 1298	0.816	0.826	0.831	0.837	0.844
Color	ASTM D 1500	Clear	Clear	Clear	Clear	Clear

HANDLING PRACTICES:

For information on the safe handling and use of this product refer to the Material Safety Data Sheet. For more information and availability, call (630) 513-6350.

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