

All-Syn FG Hydraulic

Synthetic Hydraulic Fluid

No. 664



NSF H-1 Certified
ISO: 15, 22, 32, 46, 68, 100

DESCRIPTION:

All-Syn FG Hydraulic Fluid is a premium quality synthetic food grade lubricant. It has been specifically formulated for use in severe duty low and high temperature applications where **NSF Registered, USDA H-1**, lubricants are specified because of the chance of incidental contamination of food or beverage. It is also intended for use in equipment where the oil may end up in sewers, waterways or other ecologically sensitive areas.

All-Syn FG Hydraulic Fluid is scientifically compounded with the highest quality USDA approved synthetic fluids and the most technically advanced, USDA/ F.D.A. authorized non-toxic performance additives. This advanced technology reduces downtime and lubrication problems caused by exposure to extreme hot or cold, contaminants, and moisture.

All-Syn FG Hydraulic Fluid has specialized moisture inhibitors, resulting in superior water/oil separation and minimal deposit formation. It offers the maximum protection against friction, wear, moisture, corrosion, acids, and is clean and non-staining.

All-Syn FG Hydraulic Fluid has an extremely high film strength and load carrying capability, and provides a cleaner, more efficient operation with greatly reduced wear and down time.

PERFORMANCE CHARACTERISTICS:

- **NSF registered**
Registered with NSF as an H-1 lubricant and meets the requirements of Title 21 of the Code of Federal Regulations.
- **Provides premium anti-wear protection**
Special anti-wear additives provide the highest level of protection against wear and scuffing in all types of hydraulic systems.
- **Anti-oxidation protection**
Oxidation inhibitors and premium quality synthetic fluids combine to form a product with outstanding resistance to oxidation and provide the maximum protection against varnish formation at high temperatures.
- **Superior rust protection**
Inhibitors protect both steel and yellow metal surfaces against rust and corrosion.
- **Demulsibility**
Designed to separate rapidly from water
- **High viscosity index to ensure viscosity stability**
- **Synthetic base fluids for extended operation**

TYPICAL APPLICATIONS:

Recommended for use as a premium **NSF registered, USDA H-1**, anti-wear hydraulic lubricant in:

Beverage Bottling
Produce Processing
Meat Processing
Creameries

Bakeries
Canneries
Packaging
Cold Storage

Harvesting
Poultry Processing
Flash Freezers
Sub-Zero Environments

And any other application requiring a food grade (H1) hydraulic fluid designed to operate in extreme hot and cold conditions.

PERFORMANCE PRODUCTS GUARANTEED

P.O. BOX 1777 • LODI • CA 95241 • (209) 334-6353 • (800) 807-4496 • www.FrontierLubricants.com

SUMMARY:

Food processing and other industries whose equipment require the use of NSF H-1 registered fluids that meet USDA H-1 guidelines have a major problem in protecting against wear, oxidation and corrosion. Hydraulic systems are constantly subjected to adverse conditions such as hot and cold operating environments, moisture and long operating intervals. Oil deterioration results in excessive wear, frequent oil changes, costly downtime and shorter component life. **Commonly used food grade lubricants may meet USDA H-1 purity requirements but do not provide the best protection to critical components.**

All-Syn FG Hydraulic Fluid formulated with newly developed NSF registered, USDA H-1 authorized, nontoxic performance additives and premium synthetic base fluids will greatly reduce these problems and provide maximum system efficiency.

TYPICAL SPECIFICATIONS:

ISO Grade	15	22	32	46	68	100
Viscosity @ 40° C, cSt:	15	22.3	30.7	46.8	64.2	98.0
Viscosity @ 100° C, cSt:	3.58	4.56	5.8	7.79	10.4	13.9
Viscosity Index:	122	127	134	135	139	141
Flash Point, COC, °F	385	450	460	490	505	515
Pour Point, °F:	-103	-94	-81	-71	-65	-60
Corrosion test, Steel, (ASTM D665) Procedure B:	Pass		Pass	Pass	Pass	Pass
Specific Gravity	.816	.821	.826	.831	.837	.844
NSF Registered	H-1	H-1	H-1	H-1	H-1	H-1

Typical test data are average values only