

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.

SYNTHETIC HYDRAULIC OIL

SYNAULIK SHO FG SERIES

Synaulik SHO FG Series hydraulic oils are formulated for use in hydraulic systems found in the Food & Beverage Industry (H1) usually in processing, beverage, and packaging lines. Synaulik SHO FG Series oils are fully synthetic and are produced in an ISO 21469 Certified Facility.

Synaulik SHO FG Series oils have been designed to offer the absolute best solubility that can be found in a food grade hydraulic fluid. The enhanced solubility allows hydraulic systems to operate cleaner by reducing sludge formation from contaminants being ingested into the oil. This solubility lets valves, actuators, pumps, and other key components of a hydraulic system operate smoothly with no jerking or slowed travel of valves. Synaulik SHO FG Series oil are ashless and are compatible with seal materials used in hydraulic systems. Excellent wear and anti-corrosion properties are also important characteristics of this series.

Physical Properties

PRODUCTS	SHO FG-32	SHO FG-46	SHO FG-68
ISO Grade	32	46	68
Viscosity @ 40°C, cSt	30.9	45.7	67.4
@ 100°C, cSt	5.6	7.8	10.4
Viscosity Index	121	140	141
Specific Gravity	0.846	0.851	0.854
Flash Point, °F (°C)	469 (243)	514 (268)	519 (271)
Fire Point, °F (°C)	550 (288)	564 (296)	564 (269)
Pour Point, °F (°C)	-65 (-54)	-41 (-41)	-43 (-42)
4-Ball Wear(mm scar)	0.34	0.36	0.33
Water Separation (ml oil/ml water/ml emulsion)	40/40/0 (10min)	40/40/0 (10min)	40/40/0 (15min)
Rust	Pass	Pass	Pass
Cooper Corrosion	1A	1A	1A
NSF Registered	H1	H1	H1

Shelf Life: Product shelf life is 5 years from the date of manufacture, after which the product should be recertified prior to use.