

MILES FG HYDRO FR

Food-Grade Fire-Resistant Hydraulic Fluid



MILES FG HYDRO FR is non-toxic and non-hazardous, and it gives an extra level of protection and operational efficiency in high- and low-temperature hydraulic applications. MILES FG HYDRO FR meets H1 requirements for lubricants with incidental food contact (FDA 21 CFR 178.3570). Its exceptional oxidative stability, corrosion resistance and anti-wear properties make it particularly well-suited for applications where other fire-resistant fluid technologies are restricted.

ATTRIBUTES

- Meets H1 requirements for incidental food contact (FDA 21 CFR 178.3570)
- Protects against wear, rust and corrosion
- Readily separates from water
- Oxidative stability
- High viscosity index
- Controls carbon and varnish formation
- Low volatility
- Non-toxic/non-hazardous

TYPICAL PROPERTIES

	FG HYDRO FR-32	FG HYDRO FR-46	FG HYDRO FR-68
Lubrication Properties	FR-32	FR-46	FR-68
NSF H1 Registration Number	152883	152884	152885
Viscosity cSt @ 40°C (D445)	31.0	45.1	66.3
Oxidation Stability (D943)	10000+	10000+	10000+
Color (D1500)	<.5	<.5	<.5
Flash Point °F (°C)	420 (216)	435 (224)	450 (232)
Auto Ignition Point °F (°C)	677 (358)	689 (365)	706 (374)
Pour Point °F (°C)	-44 (-42)	-40 (-40)	-36 (-38)
Copper Corrosion (D130)	1a	1a	1a
Rust Test (D665)	Pass	Pass	Pass
Pump Wear Test			
Vickers mg	15	20	20
Denison	Meets	Meets	Meets
FZG Stage (1-12) (DIN51354)	12	12	12
Demulsibility, 130°F, 30 Min	40/40/0	40/40/0	40/40/0