



GEHF-FG

Food Grade Biodegradable Hydraulic Fluid

GEHF-FG is formulated to meet H1 requirements for lubricants with incidental food contact (FDA 21 CFR 178.3570). It is also designed for environmentally sensitive hydraulic applications or those requiring a biodegradable lubricant. This advanced formulation resists sludge and varnish formation, and it provides superior anti-wear protection for hydraulic equipment.

ATTRIBUTES

- Meets H1 requirements for incidental food contact (FDA 21 CFR 178.3570)
- Biodegradable formulation
- 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 LUBRICANT PROPERTIES

GEHF-FG Grades	32	46	68	100
Viscosity cSt @ 40°C	34.0	46.7	66.8	100.2
Viscosity cSt @ 100°C	6.1	7.2	9.3	11.9
Viscosity Index	127	116	118	109
Flash Point °F (°C)	435 (224)	442 (228)	456 (236)	503 (262)
Pour Point °F (°C)	-43 (-46)	-38 (-36)	-36 (-33)	-31 (-24)
Copper Corrosion	1a	1a	1a	1a
Demulsibility, 54.4°C, 30 Min	40/40/0	40/40/0	40/40/0	40/40/0
Rust Test	Pass	Pass	Pass	Pass
Foam Sequence 1	0/0/0	0/0/0	0/0/0	0/0/0
RPVOT, 25.4 PSI Drop, minutes	1,215	1,215	1,215	1,215
Four-Ball Wear Test, Scar Diameter, mm	0.44	0.44	0.44	0.44