

Hi-Top FG™ Hydraulic Oil

MEGA DISTRIBUTORS

Food Grade Hydraulic Oil - ISO 32, 46, 68, 100



Food-grade hydraulic oil specifically formulated for food processing equipment

- Provides superior protection against contaminants, pump wear and erratic operation
- Reduces Pump and Cylinder Wear
- Compatible with all Petroleum Hydraulic Oils
- Prevents Rust and Corrosion
- Helps Control Water and Other Contaminants
- Highly Resistant to Oxidation
- Controls Foaming
- AQIS Type A, USDA H1 and US FDA 21 CFR 178.3570

Description

Provides Superior Equipment Protection for

- Utility Plants and Refineries
- Paper Mills
- Packaging Plants
- Canning & Bottling Facilities
- Printing
- Industrial Manufacturing
- Food Processing Plants
- Chemical Plants
- Manufacturing
- Plastic and Rubber Plants

Physical Properties	ISO 32	ISO 46	ISO 68	ISO 100
Specific gravity	0.86	0.86	0.87	0.87
Colour	Colourless			
Odour	Odourless			
pH @ 100%	N/A			
% Volatile by Volume	Nil			
Evaporation rate	N/E			
Flash Point °C	193	204	212	210
Viscosity cSt. @40°C	29.4-34.6	42.3-49.7	62.6-73.4	92-108
Viscosity cSt. @100°C	5.4	6.8	8.5	11.2
Viscosity SUS @100°F	152-179	218-257	324-382	482-565
Viscosity SUS @210°F	44	49	55	64
Viscosity index	107	105	103	102
API Gravity	32.6	32.2	31.1	30.6
Pour point °C	-7	-7	-7	-10
Emulsion, ASTM D-1401 40-37-3 @130°F max	30	30	30	30
Phosphorous % ASTM D-1091	0.02	0.02	0.02	0.02
Four Ball Wear, mm Scar ASTM D-2266, 20 kg, 40 kg load	0.32, 0.40	0.32, 0.40	0.26, 0.35	0.26, 0.40
Oxidation stability, hrs. ASTM D-943	1900	1950	2000	2050
Rust test, 24 hrs. ASTM D-665	No Rust (A)			
Vickers Pump Wear Test, mg Steel	15	15	10	10

Features and Benefits

Hydraulic equipment designed for food processing requiring US FDA 21 CFR 178.3570 lubrication requirements, incidental food contact as authorized as an H1 lubricant, or for food plants under the jurisdiction of the USDA.

Precautions

Do not mix with old oil. Not to be used as a make-up oil or for nonfood applications such as brake systems, automotive transmissions, aircraft. Not for Lucas hydraulic pumps or other silver-lined pumps (use Lubemaster™ MultOil™), systems requiring water-based hydraulic oils. Not for universal multi-purpose power transmission systems (use Lubemaster™ OILALL™).

WARNING: Consult the label for full instructions and precautions before using this product.

MEGA DISTRIBUTORS

PO Box 10185
North Shore Mail Centre
Auckland 0745
Phone: 09 473 6505
Fax: 09 473 6501
Email: sales@megadistributors.co.nz

www.megadistributors.co.nz



Hi-Top FG™ Hydraulic Oil

MEGA DISTRIBUTORS

Food Grade Hydraulic Oil - ISO 32, 46, 68, 100

Additives	Benefits
Pharmaceutical Grade- White Base Oil	Highly refined pharmaceutical grade-base oil helps prevent oxidation, viscosity, shearing and carbonization - even at high temperatures.
Corrosion Inhibitors	Shield sensitive metals against acids and other corrosive compounds
Anti-Wear Agents	Forms a lubricant film on metal surfaces in the presence of heavy loads and high temperatures. Prevents cold welding.
Rust Inhibitors	Plate metal surfaces to retard metal deterioration and reduce abrasive rust contaminants.
Metal Deactivators	Prevent corrosion on yellow metals such as bronze, copper and brass.
Anti-Foam Agents	Inhibit oil foaming during operation to reduce seal pressure, prevent pump cavitation wear and decrease air entrapment that can cause erratic motion.

Features and Benefits

Meets or Exceeds the Following Performance Requirements:

- Denison-Abex HF-1, HF-2, HF-O
- Vickers I-286-S and M-2950-S
- US Steel 136 and 127
- JCB AW VG-32
- Parsons AMCA AW Hydraulic
- DIN 51504 part 2
- USDA H1

WARNING: Consult the label for full instructions and precautions before using this product.

MEGA DISTRIBUTORS

PO Box 10185
North Shore Mail Centre
Auckland 0745
Phone: 09 473 6505
Fax: 09 473 6501
Email: sales@megadistributors.co.nz

www.megadistributors.co.nz

