

## MEDALLION™ FM HYDRAULIC OIL

NSF Registered for H-1/KOSHER APPROVED

Medallion™ Food Machinery Hydraulic Oils are blended using a food grade base oil called Excelsior™.

Most base oils used in industrial lubricants are yellow or amber in color. This "discoloration" is caused by a variety of impurities including traces of sulfur, nitrogen and inferior aromatic oils. Nitrogen promotes oxidation and deposit formation. Aromatics have poor oxidation stability. Excelsior™ base oils are colorless and free of these materials. Excelsior™ oil is ideal for use in applications involving food machinery.

In laboratory tests, Whitmore's Excelsior™ base oil shows a major reduction in evaporation loss. Oxidation stability exceeds that of conventional base oils by 60-100%. These performance improvements translate into reduced carbon and varnish deposits. The end result is longer oil and component life.

H-1 registration allows Medallion™ Food Machinery Hydraulic Oil to be used in areas where a nontoxic oil is required. It is recommended for high-pressure hydraulic systems, as well as bearing lubrication.

Medallion™ Food Machinery Hydraulic Oils are produced under the supervision of VA'AD HAKASHRUS of Dallas, Inc. doing business as Dallas kosher-pareve, and is considered for year-round use including Passover.

Medallion™ Food Machinery Hydraulic Oils meet DIN 51524 part 2.

Contains an NSF-approved preservative that limits the growth of bacteria.

### BENEFITS:

- H-1 RATED - for use in federally inspected meat and poultry plants, as well as beverage and other food processing facilities where incidental food contact may occur.
- ANTIWEAR ADDITIVE - extends equipment life and minimizes downtime.
- EXCELLENT DEMULSIBILITY - separates easily from water.
- RUST AND CORROSION INHIBITED - protects metal surfaces against the effects of moisture and acids.
- EXTENDED OIL LIFE - free of impurities including sulfur, nitrogen and inferior aromatic oils.

### APPLICATIONS:

Medallion™ Food Machinery Hydraulic Oils are recommended for hydraulic applications whenever there is the chance the lubricant may have incidental contact with edible products and need an H-1 rated lubricant. May also be used as a general lubricant when H-1 products are required. Also recommended for air line oilers and low pressure vacuum pumps.

ASTM #		TYPICAL CHARACTERISTICS			
	ISO Grade	32	46	68	100
D-445	Kinematic Viscosity cSt @ 40°C cSt @ 100°C	31 5	43 7	64 9	92 11
D-2161	Saybolt Viscosity SUS @ 100°F SUS @ 210°F	155 44	215 48	315 54	485 62
D-2270	Viscosity Index	99	102	103	96
D-97	Pour Point, °F (°C)	-15 (-26)	-10 (-23)	-10 (-23)	-10 (-23)
Gardner Method	Density, lb/gal @ 60°F (15.5°C) Specific Gravity, g/cc @ 60°F (15.5°C)	7.19 0.861	7.21 0.863	7.26 0.869	7.30 0.874
D-92	Flash Point, °F (°C) Cleveland Open Cup	400 (204)	410 (210)	425 (218)	440 (227)
D-4172	Four Ball Wear, Scar Width, mm @ 40 kgf	0.35	0.35	0.35	0.35
D-665	Rust Test, Distilled Water	Pass	Pass	Pass	Pass
D-2882	Vickers Vane Pump Wear Test @ 1,000 psi = (mg total loss) @ 2,000 psi = (mg total loss)	N/A N/A	1.6 <5	1.6 <5	1.6 <5
	Color	Colorless to faint yellow	Colorless to faint yellow	Colorless to faint yellow	Colorless to faint yellow

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

### PACKAGING

Drums	Pails
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For warranty information, scan the QR code.

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