



## **Food Machinery Hydraulic Oil**

**NSF H-1 & H-2 approved**



**FOOD MACHINERY HYDRAULIC OILS are manufactured from high VI, food grade severely hydroprocessed paraffinic base oils fortified with anti-wear, rust & corrosion inhibitors, and foam inhibitors. Designed for use where H-1 & H-2 oils may be required.**

### **APPLICATIONS**

Recommended for vane, gear and piston type hydraulic pumps operating over 4000 psi.

- Widely used in bakery, beverages, canning and meat packaging operations as well as injection molding machines, circulating system and hydraulic control system for food grade applications.
- Used in lubrication of plain and anti-friction bearings, airline lubricators, reciprocating air compressors and moderately loaded gear sets.

### **FEATURES AND BENEFITS**

- Versatile, premium oil for many food grade applications.
- Thermal & oxidation inhibition prevents oil thickening.
- Protects against wear & scuffing in hydraulic pumps
- Wet and dry filtration performance. Outstanding rust performance.
- Superior demulsibility characteristics.
- Low acidity & excellent water separation.
- Compatible with other food grade gear oils.
- TOST life (D 943) above 10,000 hrs.
- Seal Compatible.

### **RECOMMENDED PERFORMANCE SPECIFICATIONS**

- Complies with Food and Drug Administration (FDA) Federal Regulation 178.3570.
- NSF H-1& H-2 approved.
- Meets Eaton I-286-S, Parker Denison HF-1, HF-2, DIN 51524-2 specification.
- Meets FZG (D 5182) & 4 Ball Wear Test (D4172 – mod) requirements.
- Certified by NSF H-1, Kosher and Halal.
- Certified Kosher and Pareve for Passover.
- Certified Crescent M Halal.

<b>Food Machinery Hydraulic Oil</b>	<b>Typical Characteristics</b>			
<b>ISO Grade</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>
Gravity, °API	32	31.7	31.4	30.0
Flash Point, °F	360	380	400	440
Pour Point, °F	-27	-30	-15	-13
Viscosity				
cSt @ 40 °C	31.5	46.6	70.4	99.2
cSt @ 100 °C	5.51	7.08	9.14	12.42
Viscosity Index	112	110	105	119
Color, Saybolt	30+	30+	30+	30+

Minor variations in test data are to be expected in normal manufacturing