



Food Machinery Gear Oils

NSF H-1 & H-2 approved



FOOD MACHINERY Gear 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 gear oils are required.

APPLICATIONS

Recommended for worm gears on industrial equipment requiring food grade gear oils.

- Industrial bronze gears.
- Spiral bevel and double reduction gears.
- Moderately loaded industrial spur, herringbone, helical and bevel gear sets.
- For use in rotary steamers and valves up to 300 °F.

FEATURES AND BENEFITS

- Full film lubrication provided to protect gears.
- Provides rust and oxidation protection to internal gears and bearings.
- Foam resistance qualities provide longer gear and bearing life.
- Compatible with other food grade gear oils.
- Can be used in applications both above and below the food line.

RECOMMENDED PERFORMANCE SPECIFICATIONS

- Complies with Food and Drug Administration (FDA) Federal Regulation 178.3570.
- Certified NSF H-1 & H-2 (220 & 460)
- Certified Kosher and Halal.
- Passes the Water Separability (D 2070) & Seal Compatibility (DIN 53538) requirements.
- Meets CM Thermal Stability (D 2070) & FZG Test (D 5182) requirements.
- Passes Steel Corrosion (D 665, method A) requirements.
- Passes 4 Ball weld and wear requirements.

Food Machinery Gear Oils	Typical Characteristics		
ISO Grade	220	460	680
Gravity, °API	32.7	28.5	28.4
Flash Point, °C	230	>235	>235
Pour Point, °F	-13	-10	-10
Viscosity			
cSt @ 40 °C	203.9	453.3	675
cSt @ 100 °C	20.4	31.6	51.8
Viscosity Index	117	101	133
Color, Saybolt	30+	30+	30+

Minor variations in test data are to be expected in normal manufacturing
NOTE: VG 680 NOT APPROVED BY NSF H-1 & H2 CATEGORY