



Food Grade Hydraulic Oil

General Description

Food Grade Hydraulic Oil is a premium anti-wear hydraulic oil certified as USDA H-1 and passing the US FDA 21 CFR 178.3620 (b) regulation for incidental contact with food products. This product is also Kosher certified by the Union of Orthodox Jewish Congregations of America.

Food Grade Hydraulic Oil is an ashless oil comprised of base stocks that are U.S.P. quality white mineral oils combined with specialized additives to supplement the operating performance and still maintain approval under the USDA H-1 constraints. The additives used include rust and corrosion inhibitors to protect metal parts along with anti-wear and extreme pressure enhancers to improve load carrying capability.

Food Grade Hydraulic Oil is not approved for use under direct food contact applications.

Features and Benefits

- **Food Grade:** Meets the requirements of US FDA regulation 21 CFR 178.3620 (b) and USDA H1 for incidental contact use in food plants.
- **Oxidation Inhibitor:** A special Vitamin E oxidation inhibitor is used to extend oil life and reduce depositing tendencies.

Food Grade Hydraulic Oil

Typical Applications

This product is designed for general lubrication in machines and applications where incidental contact with edible products is possible, as USDA H-1 approval permits. Some of the typical applications of this product include vegetable processing, meat and food packing, fruit harvesting machinery and cheese, dairy and egg processing plants. This product is recommended for:

- Applications recommending ISO grades 32 and 46.
- Light service gear and hydraulic applications calling for anti-wear oils.
- General lubrication where anti-wear oils are recommended.

Typical Customers

- Fruit and vegetable growers
- Food production & handling facilities
- Dairy and egg processing plants

Typical Properties

ISO Viscosity Grade	46
API Gravity	32.2
Viscosity @ 40°C, cSt	46
Flash Point, °F	400
Pour Point, °F / °C	20 / -7
Rust Test, ASTM D 665A	None
Vickers Pump Wear Test, ASTM D 2882, mg. loss	15
Four Ball Wear, mm scar @ 20 kg. load	0.32
@ 40 kg. load	0.40

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit cenex.com/sds-library.