



FOOD GRADE HYDRAULIC FLUIDS 32 - 68

PRODUCT DESCRIPTION

Hi-Tec Food Grade Hydraulic Fluids are food-grade lubricants recommended for use in hydraulic systems in food processing plants where incidental food contact can occur. They are also recommended for use in bearings, chains and valves in canning and bottling machinery.

Hi-Tec Food Grade Hydraulic Fluids are made from synthetic hydrocarbons (Poly Alpha Olefins) and special additive packages to provide superior wear protection and temperature performance and help prevent varnish and deposit build up.

FOOD GRADE STATUS

Hi-Tec Food Grade Hydraulic Fluids meet the NSF H-1 approval where incidental food contact can occur. All fluid components comply with FDA 21 CFR 178.3570 "Lubricants with incidental food contact".

APPLICATION:

Hi-Tec Food Grade Hydraulic Fluids are recommended for hydraulic systems in food processing plants where incidental food contact may occur. They are also recommended as lubricants for bearings, chains and valves in canning and bottling machinery. They may be applied by various methods including bath reservoir, force-feed lubricator or circulating pump.

BENEFITS

- Will provide a far longer service life than most mineral-based lubricants
- Reduced maintenance associated with wear and mineral oil deposits
- Extended equipment life
- Compatible with mineral oils and most synthetic oils
- Reduced varnish lacquering and deposits
- Greatly reduced fire and explosion hazard
- High viscosity index for improved system performance
- Meet all requirements of FDA Regulation 21 CFR 178.3570

Hi-Tec Food Grade Hydraulic Fluids have a shelf life of up to two years from the date of manufacture, provided they are stored in a closed container away from heat and moisture.

Hi-Tec suggests that the equipment manufacturers' recommendations for viscosity grade, performance requirements and general operating conditions should be checked prior to use.



TYPICAL PROPERTIES

Property	ASTM Method	Typical Results		
Item Code (HI5-)		2895	2900	2905
ISO Grade	-	32	46	68
Appearance	Visual	Clear	Clear	Clear
Colour	Visual	Yellow	Yellow	Yellow
Viscosity (cSt) @100°C	D-455	5.7	7.7	9.7
@40 °C	D-445	31	46	63
Viscosity Index	D-2270	126	135	137
Specific Gravity @15 °C	D-1298	0.83	0.83	0.84
Pour Point (°C)	D-97	-55	-55	-45
Flash Point (°C)	D-92	240	250	250