



## PRODUCT DATA SHEET

### FOOD GRADE MACHINE OILS

#### PRODUCT DESCRIPTION

**Hi-Tec Food Grade Machine Oils** are made from synthetic hydrocarbons (Poly Alpha Olefins) and special additive packages which allow them to meet the approval requirements of the NSF H1 grade where incidental food contact can occur.

**Hi-Tec Food Grade Machine Oils** are recommended for gear sets, bearings, circulating oil systems and chain applications in food processing machinery.

#### SYNTHETIC VERSATILITY

**Hi-Tec Food Grade Machine Oils** are formulated from synthetic Poly Alpha Olefins (PAOs), renowned for their excellent thermal stability and high viscosity index. This high performance is further enhanced by **Hi-Tec's** unique additive system. The special formulation is especially effective for use in a wide range of industrial gearboxes.

#### SYNTHETIC DURABILITY

**Hi-Tec Food Grade Machine Oils** will provide a far longer service life than most mineral based lubricants.

- Longer life with fewer oil changes
- Extended equipment life
- Reduced energy costs
- Excellent high and low temperature operations
- Increased oxidative stability

#### COMPATIBILITY

Hi-Tec PAO based lubricants are similar to mineral oils in their compatibility with paints, seals, gaskets and hoses. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to **Hi-Tec Food Grade Machine Oils** synthetic hydrocarbon-based lubricants.

**Hi-Tec Food Grade Machine Oils** are acceptable as lubricants with NSF H1 approval for incidental food contact for use in and around food processing areas. These products may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is a potential exposure of the lubricated part to food. The amount used should be the minimum required to accomplish the desired technical effect on the equipment. If used as an anti-rust film, the products must be removed from the equipment surface by washing or wiping, as required to leave the surface effectively free of any substance which could be transferred to food being processed.

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



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### TYPICAL PROPERTIES

Property	ASTM Method	Units	Typical Results				
ISO Viscosity		-	150	220	320	460	680
Item code (HI6-)		-	2921	2925	2980	2985	2670
Appearance	Visual	-	Clear	Clear	Clear	Clear	Clear
Density @ 15°C	D-1298	kg / L	0.845	0.86	0.865	0.867	0.86
Viscosity @ 40°C	D-445	cSt	150	215	324	466	680
Viscosity @ 100°C	D-445	cSt	18.2	21.9	32	42	60
Viscosity Index	D-2270	-	135	137	138	141	155
Flash Point, PM Closed	D-93	°C	220	224	230	235	>200
Pour Point	D-97	°C	-33	-35	-35	-35	-30

**Available in:** Bulk, 200 Litres and 20 Litres

“Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au). Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at [www.hi-tecoils.com.au](http://www.hi-tecoils.com.au)”

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