



## SYN MACHINE OILS 150-680

Hi-Tec Syn Machine Oils are superior, full synthetic industrial extreme-pressure gear and bearing lubricants. They can be used where high loads and/or high temperatures are encountered and where water contamination cannot be avoided. Syn Machine Oils provide superior anti-friction characteristics in bearings, steel gear transmissions and steel/phosphor bronze gear units.

Available in ISO 150, 220, 320, 460 and 680

### SPECIFICATIONS

Product Code	HI6-2613 (220); HI6-2615 (320); HI6-2617 (460)
AGMA	AGMA 250.04, 251.02, 9005D94, 9005-E02,
Performance	US Steel 224; DIN 51517 Part 3; ISO 12925-1 CKC/CKD
Product Sizes	20L, 200L, 1000L and Bulk



## MACHINE OILS MP 68-460

Hi-Tec Machine Oils MP are premium industrial, micropitting resistant, extreme pressure gear and bearing oils especially suitable where high loads and/or high temperatures are encountered and where water contaminating influences cannot be avoided. Hi-Tec Machine Oils have excellent anti-friction characteristics for use in bearings, steel gear transmissions and steel phosphobronze gear units

Available in ISO 68, 100, 150, 220, 320 and 460

### SPECIFICATIONS

Product Code	HI6-2643 (220); HI6-2644 (320); HI6-2645 (460)
AGMA	AGMA 250.04, 251.02, 9005-E02, 9005-D94,
Performance	US Steel 224; DIN 51517 Part 3; SEB 181226; Flender Revision 13 for helical, bevel and planetary gear units
Product Sizes	5L, 20L, 200L, 1000L and Bulk



## MACHINE OILS 68-1000

Hi-Tec Machine Oils are premium industrial extreme pressure gear and bearing oils especially suitable where high loads and/or high temperatures are encountered and where water contaminating influences cannot be avoided. Machine Oils have excellent anti-friction characteristics for use in bearings, steel gear transmissions and steel phosphobronze gear units and are manufactured with the latest sulphur-phosphorus zinc free EP additives combined with highly refined paraffinic base oils and special additives to further enhance anti-oxidation, anti-corrosion, anti-rust and anti-foam tendencies so that longer service life is realised.

Available in ISO 68, 100, 150, 220, 320, 460, 680 and 1000

### SPECIFICATIONS

Product Code	HI6-2614 (220); HI6-2616 (320); HI6-2618 (460)
AGMA	AGMA 250.04, 251.02, 9005-D94, 9005-E02, 9005-F16
Performance	US Steel 224 DIN 51517 Part 3 ISO 12925-1 CKC/CKD David Brown DB S1.53.101 (E) David Brown Types M, A and E
Product Sizes	5L, 20L, 200L, 1000L and Bulk

# BIODEGRADABLE, FOOD GRADE & FIRE RESISTANT OILS



## BIO-HYDRAULIC SYN S-TYPE OILS

Hi-Tec Bio-Hydraulic Syn Oils are biodegradable hydraulic lubricants containing synthetic fatty ester, stabilizers, anti-wear additives, corrosion inhibitors and foam inhibitors. They are biodegradable according to OECD 301B. They are safe for users and the environment, lower in toxicity and free from heavy metals.

Available in ISO 46 and 68

### SPECIFICATIONS

Product Code	HI5-2916 (46); HI5-2921 (68)
Operating Temp	-10°C to 100°C
OECD 301B	Biodegradable
Performance	• Enhanced in performance characteristics; • Less changeable in viscosity as operating temperatures increase due to higher viscosity index; • Higher in lubricity resulting in lower equipment operating temperatures; ISO 15380 (2002): HEES
Product Sizes	20L, 200L, 1000L and Bulk



## FOOD GRADE HYDRAULIC FLUIDS

Hi-Tec FG Hydraulic Fluids are synthetic 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 FG Hydraulic Fluids meet the requirements of halal and kosher regulations.

Available in ISO 32, 46, 68 and 100

### SPECIFICATIONS

Product Code	HI5-2895 (32); HI5-2900 (46); HI5-2905 (68)
Blend	Synthetic Polyalphaolefins
Compliance	NSF H-1, FDA Regulation 21 CFR 178.3570
Performance	• Long Service & Extended Equipment Life; • Compatible with mineral and most synthetic oils; • High viscosity index for improved system performance
Product Sizes	20L, 200L, 1000L and Bulk



## FOOD GRADE COMPRESSOR FLUIDS

Hi-Tec FG Compressor Fluids are synthetic hydrocarbon based food grade lubricants recommended for use in compressors systems in food processing plants where incidental food contact can occur. They are especially recommended for rotary compressors where incidental food contact may occur with oil in the discharge air. FG Compressor Fluids provide excellent antiwear protection with rust and oxidation-inhibitors, resulting in extended service life. Hi-Tec FG Compressor Fluids meet the requirements of halal, kosher and FDA regulations

Available in ISO 32, 46, 68 and 100

### SPECIFICATIONS

Product Code	HI6-2958 (32); HI6-2960 (46); HI6-2970 (68)
Compliance	NSF H1, FDA Regulation 21 CFR 178.3570
Performance	<ul style="list-style-type: none"> <li>Longer life with fewer oil changes, up to 8000 hrs</li> <li>Compatible with mineral oils and most synthetic oils</li> <li>Reduced compressor maintenance</li> <li>Lower oil consumption and energy costs</li> <li>Long fluid life without gumming or discolouring</li> <li>Meets all requirements of FDA Regulation 21 CFR 178.3570</li> </ul>
Product Sizes	20L, 200L and Bulk



## FOOD GRADE MACHINE OILS

Hi-Tec FG Machine Oils are formulated from synthetic hydrocarbons (Poly Alpha Olefins) and a 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 Gear Oils will provide a far longer service life than most mineral based lubricants, requiring fewer oil changes and extended service life. Hi-Tec FG Machine Oils meet the requirements of halal, kosher and FDA regulations.

Available in ISO 150, 220, 320, 460 and 680

### SPECIFICATIONS

Product Code	HI6-2980 (320); HI6-2985 (460); HI6-2670 (680)
Compliance	NSF H1
Performance	<ul style="list-style-type: none"> <li>Reduced energy costs;</li> <li>Excellent high and low temperature operations;</li> <li>Increased oxidative stability</li> <li>Biodegradable</li> </ul>
Product Sizes	20L, 205L and Bulk



## FIRE RESISTANT HYDRAULIC FLUIDS 46 & 68

Hi-Tec Fire Resistant Hydraulic Fluid Q888-46 and 68 are designed to replace antiwear, mineral oil-based hydraulic fluids used in applications where fire hazards exist. It can also be used in environmentally sensitive hydraulic applications without compromising the overall hydraulic system operations. They are based on synthetic organic esters and do not contain water, mineral oil or phosphate esters.

### SPECIFICATIONS

Product Code	HI5-2924 (46); HI5-2925 (68)
Performance	<ul style="list-style-type: none"> <li>Fire-resistant</li> <li>High ignition temperature and low heat release;</li> <li>Properties that limit the spread of fire</li> <li>Excellent shear stability</li> <li>Can be Factory Mutual Approved;</li> <li>Non toxic to aquatic life</li> <li>Non-irritating; Fully biodegradable;</li> <li>Simple waste treatment</li> </ul>
Product Sizes	205L and Bulk



## FIRE RESISTANT 620 HYDRAULIC FLUID

Hi-Tec Fire Resistant Hydraulic Fluid 620 is a non-hazardous fire resistant water glycol (HFC) fluid. It is recommended for use in systems that require a fluid to be:

- Environmentally acceptable and non-hazardous
- Fire Resistant
- Functional over a wide temperature range

### SPECIFICATIONS

Product Code	HI8-2927
Performance	<ul style="list-style-type: none"> <li>Good lubrication - Low wear rate; High viscosity index;</li> <li>Long life - Excellent thermal, oxidation and hydrolytic stability</li> <li>Synthetic rubber compatibility</li> </ul>
Product Sizes	205L

## INDUSTRIAL SYNTHETIC COMPRESSOR OILS



## SYNTHETIC COMPRESSOR OILS 32-220

Hi-Tec Synthetic Compressor Oils are synthetic, zinc free, ashless, anti-wear oils blended from a complex mixture of PAO base stocks and esters possessing a very high viscosity index and low pour point. These oils give a long trouble free service life and will be chemically stable under severe operating conditions. They provide excellent protection against corrosion; resist emulsification and any formation of unwanted stable foam.

Available in ISO 32, 46, 68, 100, 150 and 220

### SPECIFICATIONS

Product Code	HI6-2786 (32); HI6-2799 (46); HI6-2784 (68)
Performance	DIN 51506 (VBL, VCL, VDL); ISO/DP 6521 (DAA, DAB, DAH, DAG, DAJ) as well as many hydraulic oil specifications.
Product Sizes	20L, 200L, 1000L and Bulk

## INDUSTRIAL COMPRESSOR OILS



### SEMI SYNTHETIC COMPRESSOR OILS 46 & 68

Hi-Tec Semi Synthetic Compressor Oil 46 and 68 are semi synthetic, zinc free, ashless, anti-wear oils blended from severely refined Group III base oils and a complex mixture of synthetic PAO oils possessing a very high viscosity index and low pour point. These oils provide a long trouble free service life and will be chemically stable under severe operating conditions. They provide excellent protection against corrosion; resist emulsification and any formation of unwanted stable foam.

*Available in ISO 46 and 68.*

#### SPECIFICATIONS

<b>Product Code</b>	<b>HI6-2797 (68); HI6-2798 (46)</b>
<b>Performance</b>	DIN 51506 (VBL, VCL, VDL); ISO/DP 6521 (DAA, DAB, DAH, DAG) as well as many hydraulic oil specifications.
<b>Product Sizes</b>	20L, 200L, 1000L and Bulk



### COMPRESSOR OILS 10-220

Hi-Tec Compressor Oils, are available in most ISO viscosity grades, are premium upmarket compressor lubricants recommended for rotary vane and screw air compressors. They are also suitable for reciprocating air compressors requiring the appropriate viscosity grade.

*Available in ISO 10, 22, 32, 46, 68, 100, 150 and 220.*

#### SPECIFICATIONS

<b>Product Code</b>	<b>HI6-2758 (32); HI6-2761 (46); HI6-2763 (68)</b>
<b>Performance</b>	DIN 51506 (VBL, VCL, VDL); ISO/DP 6521 (DAA, DAB, DAH, DAG) as well as many hydraulic oil specifications.
<b>Product Sizes</b>	20L, 200L, 1000L and Bulk

## ROCK DRILL AND CHAIN BAR OILS



### CHAIN BAR OILS 100-220

Hi-Tec Chain Bar Oils are made from a blend of high quality base oils and selected additives to ensure optimum performance and long lubrication life of chains and their sprockets.

*Available in ISO 100, 150 and 220.*

#### SPECIFICATIONS

<b>Product Code</b>	<b>HI8-2816 (100); HI8-2819 (150); HI8-2820 (220)</b>
<b>Performance</b>	<ul style="list-style-type: none"> <li>Ideally suited for manual application or for units fitted with automatic oilers.</li> <li>Exhibits excellent penetration of chain links.</li> </ul>
<b>Product Sizes</b>	20L, 200L and 1000L; 1L & 4L (100&150)



### ROCK DRILL OILS 100-460

Hi-Tec Rock Drill Oils provide effective lubrication and long trouble free service life to air operated equipment such as pneumatic drills, jumbo drills, jackleg drills, jackhammers, small air tools and motors, and airline oilers.

*Available in ISO 100, 220, 320 and 460.*

#### SPECIFICATIONS

<b>Product Code</b>	<b>HI6-2813 (100); HI6-2821 (220); HI6-2817 (320)</b>
<b>Characteristics</b>	<ul style="list-style-type: none"> <li>Extreme pressure and anti-wear additives;</li> <li>Rust and oxidation inhibitors used;</li> <li>Negligible odour and toxicity;</li> <li>Extra adhesiveness;</li> <li>Dieseling inhibited;</li> <li>Anti-foaming characteristics.</li> </ul>
<b>Product Sizes</b>	20L, 200L and 1000L; 1L & 5L (100)



### MOLY HAMMER OILS 100-460

Hi-Tec Moly Hammer Oils are anti-wear, extreme pressure oils specially formulated to meet the lubrication requirements of high speed, heavily loaded rock drills, drifters, hammers and other pneumatically operated equipment. They contain molybdenum disulphide particles that provide boundary lubrication and shock protection.

*Available in ISO 100, 220, 320 and 460.*

#### SPECIFICATIONS

<b>Product Code</b>	<b>HI6-2814M (150); HI6-2821M (220); HI6-2817M (320); HI6-2818M (460)</b>
<b>Characteristics</b>	<ul style="list-style-type: none"> <li>Extreme pressure &amp; anti-wear additives;</li> <li>Non corrosive;</li> <li>Negligible odour &amp; toxicity;</li> <li>Non hazardous;</li> <li>Molybdenum disulphide blend</li> </ul>
<b>Product Sizes</b>	20L and 200L



### SLIDEWAY OILS 32-220

Hi-Tec Slideway Oils are upmarket slideway lubricants recommended for slideways of machine tools, planers, lathes or guides of other types of machines where a tacky lubricant is required.

Available in ISO 32, 68, 100, 220 and 680

#### SPECIFICATIONS

Product Code	HI6-2562 (32); HI6-2607 (68); HI6-2605 (220)
Performance	<ul style="list-style-type: none"> <li>Highest quality paraffinic base oils;</li> <li>Non-corrosive EP additives; Optimum level of tackiness for precision and smooth movements;</li> <li>Protection against rust, oxidation and foam development</li> </ul>
Product Sizes	20L, 200L and 1000L

## MULTIFUNCTIONAL FLUIDS



### HEAT TRANSFER OILS 12-90

Hi-Tec Heat Transfer Oils are high performance fluids intended for use in indirect heating installations. They are formulated from highly refined base oils that are resistant to thermal cracking and chemical oxidation.

Available in ISO 12, 21, 25, 32, 68 and 90

#### SPECIFICATIONS

Product Code	HI6-2873 (32); HI6-2880 (68); HI6-2874 (90)
Characteristics	<ul style="list-style-type: none"> <li>Suitable for use in open installations where fuming of the oil could be a problem;</li> <li>Specific application temperature range for bulk fluids: Closed systems: up to 300°C / Open systems: up to 160°C</li> </ul>
Product Sizes	20L, 200L, 1000L and Bulk



### PREMIUM TURBINE OILS 22-320

Hi-Tec Premium Turbine Oils are multifunctional rust and oxidation inhibited (R&O) turbine oils suitable for use where outstanding oxidative stability and corrosion protection are required.

Available in ISO 22, 32, 46, 68, 100, 150, 220 and 320

#### SPECIFICATIONS

Product Code	HI6-2599 (32); HI6-2598 (46); HI6-2594 (90)
US Military	MIL-L-17672 D
	Meet or exceed the requirements of many international specifications for R & O turbine and hydraulic systems
Performance	Cincinnati-Machine P-38 (HL 32), P-55 (HL 46), P-54 (HL 68), P-57 (HL 150); ASTM D4304; DIN 51524 Part 1 (HL); DIN 51506 (VBL, VCL, VDL); DIN 51517 Part 2 (CL), DIN 51515, Part 1 (L-TD), Part 2 (L-TG); ISO/DP 6521 (DAA, DAB, DAH, DAG); AFNOR NF E 48-603 (HL); Siemens TLV 9013 04/01; British Standard BS 489; General Electric GEK 32568 A/C; US Steel 120; CEEB Standard 207001; Brown Boveri / Alstom HTGD 90117 V0001S; Westinghouse Electric Corporation Turbine Oil Specification; ISO 8068; Solar ES 9-224
Product Sizes	20L, 200L and Bulk

## CUTTING OILS



### SOLUBLE CUTTING FLUID

Hi-Tec Soluble Cutting Fluid is a premium quality chlorine free, borate-containing soluble cutting oil, providing maximum lubrication & cooling between cutting tools and work surfaces.

It is designed for light to moderate machining operations including boring, milling, drilling, tapping, threading, broaching, turning, reaming and grinding. It provides an excellent surface finish to machined surfaces, long emulsion service life, plus long tool life which is aided by the high oiliness.

#### SPECIFICATIONS

Product Code	HI6-2910
Characteristics	<ul style="list-style-type: none"> <li>General purpose</li> <li>Multi metal</li> <li>Suitable for Ferrous (with a machinability of &gt;50%) &amp; Non Ferrous materials</li> <li>Excellent emulsion stability in hard water up to 400ppm calcium carbonate.</li> <li>No free phenolics, nitrites or chlorine</li> </ul>
Product Sizes	5L, 20L, 200L and 1000L



### BIOCUT 3755

Hi-Tec Biocut 3755 is a premium quality semi synthetic chlorine free, soluble cutting oil, providing stable lubrication for a high quality surface finish with excellent corrosion protection for machined parts.

It is designed for a wide range of metal removal operations including boring, milling, drilling, tapping, threading, broaching, turning, reaming and grinding. Biocut 3755 is compatible with most seal, hose and packing polymers designed for use with petroleum based lubricants and with all metals commonly found in metal working coolant systems and machines.

#### SPECIFICATIONS

Product Code	HI6-1900
Characteristics	<ul style="list-style-type: none"> <li>Multi metal</li> <li>Biostable</li> <li>Light to moderate operations</li> <li>Suitable for use in waters up to 300ppm CaCO3 hardness</li> <li>DIN chip &lt;3%.</li> <li>Contains no Phosphorous, Sulphur or Chlorine and is Triazine free.</li> <li>Low environmental impact, meets WGK class 1.</li> </ul>
Product Sizes	20L and 205L



## CUTTING OILS



### SOLCUT QLB2

Hi-Tec Solcut QLB2 is a semi-synthetic biostable machining and grinding fluid that forms transparent emulsions, which may become semi-translucent in hard water. Hi-Tec Solcut QLB2 combines the cleanliness and detergency of synthetic products without the sticky residues often encountered with such products.

It covers a wide range of applications, from brass and aluminium machining in large transfer systems to machining steel in small single sump machines. Non-staining to aluminum, with excellent ferrous corrosion protection.

#### SPECIFICATIONS

Product Code	HI6-2930
Characteristics	<ul style="list-style-type: none"> <li>Semi Synthetic, biostable</li> <li>Multi metal, non staining to aluminium</li> <li>Offers increased cleanliness and longer sump life.</li> <li>Under normal conditions, 90% of any tramp oil will float out over a week-end shutdown.</li> <li>Emulsions can readily be split with conventional effluent treatment techniques, thus minimizing disposal costs.</li> </ul>
Product Sizes	20L and 205L



### Q-KUT 170 NEAT CUTTING OIL

Hi-Tec Neat Cutting Oil QKUT 170 is designed for medium to heavy-duty machining, grinding and threading operations requiring a high degree of lubrication. It is suitable for use on all grades of steel, especially difficult to machine high nickel alloys and copper.

Provides excellent corrosion protection, the bland odour is acceptable to operators when compared to the standard sulphurised type odours of other cutting oils.

#### SPECIFICATIONS

Product Code	HI8-3379
Characteristics	<ul style="list-style-type: none"> <li>Multi metal</li> <li>Medium to heavy work</li> <li>High film strength and excellent lubricating qualities</li> <li>A thin film, oily residue, is non-tacky and easily removed by conventional alkaline or emulsion cleaners.</li> <li>Optimum performance on difficult machining operations and grinding operations.</li> </ul>
Product Sizes	20L and 200L

## COOLANT CONCENTRATES



### MAXI COOL

Hi-Tec Maxi Cool radiator treatment is a general purpose, automotive cooling system, Anti-Corrosion concentrate. It is suitable for light commercial vehicles and fully compatible with the rubber hoses and plastics used in automotive cooling systems.

#### SPECIFICATIONS

Product Code	HI8-3402
Automotive Heavy Duty	<b>Lasts 5 Years/ 200,000 km Intervals - Light car;</b> <b>Lasts 6 Years/ 1,000,000 km Intervals - HD diesel</b>
Performance	<ul style="list-style-type: none"> <li>Dilution rate is 40-50ml per litre of distilled water</li> <li>Contains no Ethylene Glycol</li> <li>Exceeds AS/NZ 2108.1:1997 Type B.</li> </ul>
Product Sizes	500ml



### RADIATOR TREATMENT

Hi-Tec Radiator Treatment is a general purpose automotive cooling system corrosion inhibitor concentrate. It is suitable for passenger cars and light commercial vehicles. It contains a mixture of highly efficient corrosion and rust inhibitors developed for the newest generation of modern vehicles. It provides long-life corrosion protection for aluminium and ferrous alloys.

#### SPECIFICATIONS

Product Code	HI8-3400
Automotive Heavy Duty	<b>Lasts 5 Years/ 200,000 km Intervals</b> <b>Lasts 6 Years/ 1,000,000 km Intervals</b>
Performance	<ul style="list-style-type: none"> <li>Dilution rate is 40-50ml per litre of distilled water</li> <li>Fully compatible with the rubber hoses and plastics used in engine cooling systems</li> <li>Exceeds AS/NZ 2108.1:1997 Type B.</li> </ul>
Product Sizes	20L and 200L

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