



## PRODUCT DATA SHEET

### HI-TEC HAMMER OILS

#### PRODUCT DESCRIPTION

**Hi-Tec Hammer 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.

**Hi-Tec Hammer Oils** are manufactured from oxidation resistant paraffinic base oils and proven rust and oxidation inhibitors, foam inhibitors and extreme pressure additives. **Hi-Tec Hammer Oils** contain a special balance of demulsibility control and tackiness essential for air operated lubrication.

#### CHARACTERISTICS

**CORRECT VISCOSITY:** a wide range of available viscosities of **Hi-Tec Hammer Oils** allows the selection of the optimum lubricant. The correct viscosity ensures that the misted lubricant feed from line oilers and other types of metering devices provides effective trouble free lubrication to every lubricated surface of air operated equipment. Incorrect viscosity leads to inadequate oil misting with resultant high wear rates, decreased equipment service life or even costly premature equipment failures.

**EXTREME PRESSURE and ANTI-WEAR ADDITIVES** in **Hi-Tec Hammer Oils** carry the high loads at the tool head which extend the working life of rock drills and other air tools. Metal to metal contact is avoided on heavily loaded components during the rotation and sliding motions even when adverse conditions of high temperature and high moisture are encountered.

**RUST and OXIDATION INHIBITORS** used in **Hi-Tec Hammer Oils** minimise deposit formation. The fine clearances of oil misting orifices, valves and passages in air tools are maintained to prevent partial blockages (caused by deposits) which reduce drilling speeds and cause premature equipment failure. All surface areas are effectively protected against rust formation in the normally moisture laden environments of air operated equipment.

**NEGLIBLE ODOUR & TOXICITY** in **Hi-Tec Hammer Oils**. This is a very important requirement when exhausting oil mist in confined areas and more particularly in underground mining where it is mandatory that the oil misting residues are not hazardous to the environment.

**EXTRA ADHESIVENESS** of **Hi-Tec Hammer Oils** further enhances lubrication in the presence of water. The tackiness maintains an oil film to sustain lubrication.

**DIESELING INHIBITED.** Under conditions of light load and when temperatures are high (withdrawal of percussion tools, etc.) auto-compression ignition may occur. This infrequent dieseling is minimised by the inclusion of a combustion suppressant.

**ANTI-FOAMING CHARACTERISTICS** of **Hi-Tec Hammer Oils** avoid possible lubrication problems which can eventuate with lubricants which have not been adequately inhibited against foam.

Hi-Tec 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	Results			
		150	220	320	460
ISO Grade		2814	2821	2817	2818
Product Code		2814	2821	2817	2818
Density, Kg/Lt at 15°C	D.1298	0.895	0.899	0.902	0.905
Viscosity, cSt at 40°C	D.445	150	220	320	460
Pour Point, °C	D.97	-12	-9	-9	-9
Flash Point, COC, °C	D.92	250	270	280	285
Rust Prevention Characteristics	D.665	Pass	Pass	Pass	Pass
Copper Strip Corrosion	D.130	1a	1a	1a	1a

### Available in:

"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)"

**Effective:** December 2008

**Expires:** December 2010



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