



# PRODUCT DATA SHEET

## AIR TOOL LUBRICANT

### PRODUCT DESCRIPTION

**Hi-Tec Air Tool Lubricant** provides effective lubrication and long trouble-free service life to air-operated equipment. It is manufactured from oxidation-resistant paraffinic base oils and proven rust, oxidation and foam inhibitors, and extreme pressure additives.

**Hi-Tec Air Tool Lubricant** contains a special balance of demulsibility control and tackiness essential for air-operated lubrication.

### CHARACTERISTICS

**CORRECT VISCOSITY** assures optimum misted lubricant feed from line oilers and other types of metering devices so that effective trouble-free lubrication is provided 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.

**EXTENDS LIFE** to air tools because the special **EXTREME PRESSURE** and **ANTI-WEAR ADDITIVES** carry high loads at the tool head. 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.

**MINIMISES DEPOSITS** through superior **RUST** and **OXIDATION INHIBITORS** and high oxidation stable low carbon residue base oils. Thus, the fine clearances of oil misting orifices, valves, and passages of the air tools are maintained which otherwise, if partially blocked by deposits, reduce operating speeds and possibly promote premature equipment failure. All surface areas are effectively protected against rust formation in the normally moisture-laden environments of air-operated equipment.

**ODOUR** and **TOXICITY ARE NEGLIGIBLE**. This is a very important requirement when exhausting oil mist in confined areas and more particularly in underground mining where the oil misting residues must be completely non-toxic.

**EMULSION CHARACTERISTICS** (emulsibility) are delicately balanced to adequately emulsify water, which may enter the drill from the air supply, ensuring optimum lubrication under these conditions. Should the demulsibility be too high, slugs of moisture in the airline lead to metal-to-metal contact and thus wear as water rather than lubricant is in contact with the moving parts. Likewise, if the demulsibility is too low, then excessive emulsification occurs which again promotes wear, as the water content of the emulsion is too high to sustain full-bodied lubrication.

**ADDED ADHESIVENESS** further enhances lubrication in the presence of water. The tackiness maintains an oil film to sustain lubrication.

**ANTI-FOAM CHARACTERISTICS** avoids possible lubrication problems, which can eventuate with lubricants that have not been adequately inhibited against foam.

## TYPICAL PROPERTIES

PROPERTY	ASTM Method	TYPICAL RESULTS
ISO Viscosity Grade		<b>15</b>
Density, Kg/Lt at 15°C	D1298	0.83
Viscosity, cSt at 40°C	D445	15.0
Viscosity Index	D2170	109
Flash Point, COC, °C	D92	225
Total Acid Number	D974	0.50
Pour Point, °C	D97	-27
Ash, % Mass	D482	0.05
Demulsification	D1401	41-39-0 (10)
4-Ball, Wear Scar Dia. mm	D4172	0.45
FZG, Stages passed	DIN 51354 Part	12
Rust Prevention Characteristics	D665	Pass
Copper Strip Corrosion	D130	1a
Phosphorus % Mass	D1091	0.032
Zinc % Mass	Kjeldahl	0.035
Sulphhur, % Mass	D1551	0.069

\* In excess of sulphur due to base oil

**Available in:** 200Litres, 20Litres, 5Litres and 1Litre

“Hi-Tec Oil Traders Ltd (Hi-Tec Oils) has endeavored 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 use of the product including consultation with the vehicle or equipment manufacturers' published information.

it is the responsibility of use 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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