Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362
5 Tarlington Place Smithfield NSW 2164
Correspondence: P.O Box 322 Castle Hill NSW 1765
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PRODUCT DATA SHEET

AIR TOOL OILS 15 - 320

Hi-Tec Air Tool Oils provide effective lubrication and long trouble free service life to air operated equipment. They are manufactured from oxidation resistant paraffinic base oils and proven rust, oxidation and foam inhibitors and extreme pressure additives.

Hi-Tec Air Tool Oils contain 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.

EXTEND LIFE to air tools because the special ***EXTREME PRESSURE*** and ***ANTI-WEAR ADDITIVES*** carry the 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.

MINIMISE DEPOSITS through superior ***RUST*** and ***OXIDATION INHIBITORS*** and highly oxidative stable low carbon residue base oils. The fine clearances of oil misting orifices, valves and passages of the air tools are maintained which, if 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 it is mandatory that the oil misting residues are completely non-toxic.

EMULSION CHARACTERISTICS (emulsibility) are delicately balanced to adequately emulsify water, which may enter the equipment from the air supply, ensuring optimum lubrication under these conditions. If demulsibility is too high, slugs of moisture in the airline lead to metal-to-metal contact and 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 avoid possible lubrication problems, which can occur with lubricants that have not been adequately inhibited against foam.

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TYPICAL PROPERTIES

Property	ASTM Method	Typical Results				
ISO Viscosity		**15**	**22**	**100**	**150**	**320**
Item Code (HI6-)		2755	2756	2768	AT150	AT320
Density (kg/Lt) @ 15ºC	D-1298	0.839	0.866	0.881	0.887	0.898
Viscosity (cSt) @ 40ºC	D-445	15.0	22.0	100	150	320
Viscosity Index	D-2170	109	109	102	100	97
Flash Point; COC (ºC)	D-92	225	228	234	267	270
TAN (mg KOH/g)	D-4310	0.3	0.3	0.3	0.3	0.3
Pour Point (ºC)	D-97	-27	-24	-21	-25	-21
Demulsification Time to 43-37-3	D-1401	10	10	10	10	10
4 Ball Wear Scar Diameter (mm)	D-2266	0.5	0.5	0.5	0.5	0.5
Weld Load	D2783	160	160	160	160	160
FZG (Stages Passed)	DIN 51354 Part 2	11	11	11	11	11
Rust Prevention Characteristics	D-665	Pass	Pass	Pass	Pass	Pass
Copper Strip Corrosion	D-130	1a	1a	1a	1a	1a
Phosphorus (% wt)		0.027	0.027	0.027	0.027	0.027
Zinc (% wt)		0.034	0.034	0.034	0.034	0.034

Available In: 200 Litres, 20 Litres, 5 Litres and 1 Litre

"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. 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"

Effective: February 2021

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