PRODUCT DATA SHEET

ROCK DRILL OILS (ISO 100 – 460)

PRODUCT DESCRIPTION

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.

Rock Drill Oils are manufactured from oxidation-resistant paraffinic base oils and proven rust and oxidation inhibitors, foam inhibitors, and extreme pressure additives. Rock Drill 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 Rock Drill 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. Rock Drill 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. Rock Drill 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 AND TOXICITY. This is a very important requirement when exhausting oil mist in confined areas and more particularly in underground mining where the oil misting residues mustn't be hazardous to the environment.

EXTRA ADHESIVENESS. Rock Drill 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. Rock Drill Oils avoid possible lubrication problems which can eventuate with lubricants which have not been adequately inhibited against foam

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TYPICAL PROPERTIES

PROPERTY	ASTM Method	Results				
ISO Grade		**100**	**150**	**220**	**320**	**460**
Item Code (HI6-)		2813	2814	2821	2817	2818
Density (kg/Lt) @ 15C	D-1298	0.895	0.895	0.889	0.902	0.905
Viscosity (cSt) @ 40C	D-445	100	150	220	320	460
Pour Point (C)	D-97	-15	-12	-9	-9	-9
Flash Point, COC, C	D-92	273	250	270	280	285
Rust Prevention Characteristics	D-665	Pass	Pass	Pass	Pass	Pass
Copper Strip Corrosion	D-130	1a	1a	1a	1a	1a

Available in: Bulk, 1000 Litres, 200 Litres and 20 Litres. 5 Litres (ISO 100) and 1 Litre (ISO 100)

“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. 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”

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