Product
Data Sheet

Lubricant Specialists Australia

LSA ROCKDRILL EXCEED 320
(Improved formulation)

LSA Rockdrill EXCEED 320 is a clear formulation oil that uses highly refined base oils and special additives with anti-wear, anti-rust, anti-friction, extreme pressure and tackiness agents; specially formulated to meet the lubrication requirements of high speed, heavily loaded rock drills, drifters, hammers and other pneumatically operated equipment.

It is blended from solvent refined paraffinic high viscosity index base stocks which allow it to operate over a wide temperature range giving excellent thermal stability and resistance to oxidation.

The additive package provides extreme pressure qualities as well as protecting against rust, corrosion and oxidation.

CHARACTERISTICS

The moving parts of rock drills are designed to perform under hydrodynamic lubrication conditions. A full fluid film separates the metal surfaces of the moving parts during operation. However this film can be destroyed during periods of cold start-up and severe shock loads.

Advanced technology anti-wear properties provide lubrication to the metal surfaces of rifle bars, drill pistons and cylinders of the rock drills. These will withstand very high pressures, thus reducing wear and extending equipment life.

The tackiness additive increases oil surface tension, strengthens adherence to metal surfaces, reducing fling-off and water wash-out.

A range of available viscosities allows the selection of the optimum lubricant. The correct viscosity ensures that the lubricant feed from line oilers and other types metering devices provide effective trouble free lubrication to every lubricated surface of the equipment. Incorrect viscosity leads to inadequate lubricant coverage with resultant high wear rates, decreased equipment service life or even costly premature equipment failures.

LSA Rockdrill EXCEED 320 is classified as non hazardous to the environment and has negligible odour. These can be important characteristics when exhausting oil mist into confined areas, including underground mining.

TYPICAL CHARACTERISTICS

Properties	ASTM TEST	Value
ISO Grade		320
Colour		Amber
Viscosity @ 40ºC cSt	D445	320
Viscosity @ 100ºC cSt	D445	24.4
Viscosity Index	D2270	98
Flash Point ºC	D92	250
Pour Point ºC	D97	-15
Timken OK Load (lbs)	D2782	75
4 Ball EP – Weld Point (kg)		254
4 Ball EP – LWI (kg)		48
Rust Prevention Characteristics		Pass
Copper Strip Corrosion		1b
Density @ 15^{0}C g/ml	D4052	0.892

Packs **1000 litre**
205 litre
20 litre

The information contained herein is accurate at the time of this review. However specifications change from time to time. Ensure specifications meet equipment manufacture requirements.

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