



INDUSTRIAL ROCK DRILL



DESCRIPTION

ROCK DRILL series consists of three grades of heavy duty lubricants especially designed for use in pneumatically- powered rock drilling tools. They are formulated with high viscosity index paraffinic base stocks and are fortified by an ashless, extreme pressure additives package and special adhesion agent.

APPLICATIONS

They are intended for the lubrication of internal components of pneumatic percussion tools such as rock drills, hammers pavement breakers operating in underground and surface mining operations under extreme conditions like quarries, mines, construction sites and other industrial applications. The grades 46/68 are intended for light duty percussion/rotary air tools all year around and ISO 100 is mostly recommended for moderate medium duty drilling.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Excellent protection against rust and corrosion in wet conditions.	Extended air tool life, reduced maintenance and repair costs.
Excellent extreme-pressure properties and high load-carrying capacity.	Protection against wear and seizure of sliding metal surfaces under heavy or shock-load conditions.
Thermal and oxidation stability.	Prevents formation of gummy deposits, which could cause the slow down of valves action.
Strong adhesion properties so the oil is not carried along the air.	A stable oil film is maintained on metal surfaces. Resists dripping and leakage

PHYSICAL-CHEMICAL CHARACTERISTICS

ROCK DRILL	METHOD	ISO 46	ISO 68	ISO 100
Density at 15°C, g/cm ³	ASTM D1298	0,8690	0,8825	0,8870
Viscosity, Kinematic (cSt) 40 ⁰ C	ASTM D445	46	68	100
Viscosity, Kinematic (cSt) 100 ⁰ C	ASTM D445	7,0	9,1	11,3
Viscosity index	ASTM D2270	107	109	99
Flash point, COC, °C	ASTM D92	210	234	248
Pour point, °C	ASTM D97	-18	-18	-12
Copper corrosion	ASTM D130	1a	1a	1a
Rust test	ASTM D665	pass	pass	pass

The above mentioned characteristics represent mean values.

SPECIFICATIONS

ISO 6743-11