



THIRSTY BIRD

LUBRICANTS



RD-100

NanoTech Synthetic Blend Rock Drill Fluid

NanoTech Rock Drill Fluid RD-100 designed for the lubrication and cooling of the internal mechanisms and moving parts of the pneumatic drilling equipment operated in harsh environments. NanoTech Rock Drill Fluid enhanced by billions of Fullerene-like Tungsten Disulfide nanoparticles (IF-WS₂). These AW/AF/EP particles and a combination of innovative additives package, which includes tackiness, rust, and corrosion inhibitors, and emulsifiers, protect metal surfaces and oil seals from rust, varnish, sludge, and other damaging deposits. RD-100 innovative formulation provides exceptional protection against extreme pressure, friction, wear, varnish, sludge, and other damaging deposits. NanoTech Rock Drill Fluid RD-100 has been used successfully in saltwater injection plunger pumps.

APPLICATIONS

Recommended for and meets the general requirements of major manufacturers of jackhammers, tampers, rock drills, and other makes of pneumatic equipment manufactured by Gardner Denver, Chicago Pneumatic, Joy Manufacturing, Ingersoll-Rand, Atlas Copco, HALCO, and many others.

TYPICAL TECHNICAL PROPERTIES

Property	Test Method	ISO 100
Color	Visual	Dark Gray
Viscosity @ 40°C (cSt)	ASTM D445	95 - 110
Viscosity @ 100°C (cSt)	ASTM D445	11 - 12.3
Viscosity Index (min)	ASTM D2270	105
Flash Point °C	ASTM D92	>220
Pour Point °C	ASTM D5950	-35°C to -40°C

BENEFITS

- Protects metal surfaces
- Increases equipment life
- Improves efficiency
- Minimizes downtime
- Lowers energy consumption

PRECAUTIONARY STATEMENTS

Do not consume. Avoid skin and eye contact. Wear gloves, eye, and face protection. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Keep out of the reach of children.

FIRST-AID MEASURES

Following inhalation: If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact: Wash with plenty of soap and water.

Following eye contact: Remove contact lenses, if present, and easy to do. Continue rinsing. Irrigate copiously with clean water for at least 10 minutes, holding the eyelids apart.

Following ingestion: Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

Thirsty Bird Sales & Service Ltd.