

Hanasaki DriO Series

Premium Quality Drilling Oils

Product Description

Hanasaki DriO Series of lubricants are premium drilling oils designed to give maximum protection to percussion rock drills. They are formulated from highly refined, high viscosity index, paraffinic base oils and advanced additive packages, which provide performance characteristic expected of exceptional quality rock drill oils. Hanasaki DriO Series of drilling oils are formulated to meet the critical lubrication demand of percussion rock drills. The low odour and toxicity of these oils allows them to be used in mining operation where the environment is often limited in ventilation.

The Hanasaki DriO Series of drilling oils provide the following benefits to their users:

- 1) Outstanding extreme pressure performance provides protection for the rock drill piston, rifle bar and nut against the heavy shock load typical of rock drill service
- 2) Strong adhesiveness and emulsification tenancy provide a tenacious oil film on the rock drill's moving parts which will not be washed off by incidental water that is common in the compressed air which drives the piston in this application
- 3) Excellent rust and corrosion protection, which is important in the light of the corrosion environment in which many rock drills are used
- 4) Low odour and toxicity of these oils allows them to be used in mining operation where the environment is often limited in ventilation

Typical Properties

Properties	ISO Viscosity Grade			
	100	150	220	320
Viscosity @ 40°C (ASTM D445), cst	102	150	209	318
Viscosity @ 100°C (ASTM D445), cst	11.4	14.8	18.5	24.4
Viscosity Index (ASTM 2270)	98	98	98	98
Pour Point (ASTM D97), °C	-9	-9	-9	-6
Flash Point (ASTM D92), °C	230	248	252	253
Density @ 15°C (ASTM D4052), kg/l	0.871	0.882	0.887	0.898

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended applications and the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS is available upon request through your sales contact at Hanasaki. This product should not be used for purposes other than its intended use. When disposing of used product, please take care to protect the environment.