

ENVIROLOGIC[®] ROCK DRILL OILS

IF IT ISN'T HIGH PERFORMANCE, IT ISN'T SUSTAINABLE.



ENVIROLOGIC[®] Rock Drill Oils are environmentally acceptable lubricants formulated for the extreme pressure and high-wear environments experienced in the operation of percussive hammer drilling (rotary + shock) for digging, mining, tunneling, and down-the-hole applications. Formulated with proprietary extreme pressure and anti-wear additives to reduce scuffing and wear and enhanced with polymers to improve adhesion to rapidly rotating or reciprocating metal surfaces, ENVIROLOGIC[®] Rock Drill Oils offer premium performance in a wide variety of drilling equipment, both mobile and handheld.

TYPICAL PROPERTIES	ENVIROLOGIC [®] Rock Drill Oils
VISCOSITIES AVAILABLE, cSt AT 40°C (ASTM D445)	40, 68, 100
VISCOSITY INDEX	248
FLASH POINT (ASTM D92, COC)	240°C (464°F)
POUR POINT (ASTM D97)	-24°C (-11°F)
LOAD WEAR INDEX (ASTM D2783), Kg	65
4-BALL EP WELD LOAD, kgf (ASTM D2783)	315
FALEX EP LOAD, lbf (ASTM D3233)	>4500
TIMKEN OK LOAD, lbs (ASTM D2782)	>60
FZG LOAD STAGE (ASTM D5182)	>12

SERVING GLOBAL HEAVY EQUIPMENT + FLEETS | MINING + INDUSTRIAL





INDUSTRY APPLICATIONS

Applications for ENVIROLOGIC® Rock Drill Oils include a wide variety of pneumatic tools (air line oil) and construction equipment.

Hard rock drills

Masonry drills

Rotary hammers

Scalers

Jack hammers

Rock breakers

Pavement breakers

Riveters

Railroad spike drivers

PRODUCT DETAILS



ENVIROLOGIC® Rock Drill Oils are formulated using a natural ester base oil to minimize impact on the environment during and after use. They are readily biodegradable and meet the US EPA requirements for environmentally acceptable lubricants which makes them ideal for use in monitored or environmentally sensitive areas such as in and around waterways. They also do not create a sheen on water. They are ashless, emulsifying, metal-free lubricants which makes them both safer for the environment and more stable in storage and during use. This is particularly important in equipment that releases lubricant onto surrounding surfaces and into the environment during the drilling process. Metal-free means no heavy metal exposure to the operators using the equipment.



High flash points limit dieseling and minimize chance of combustion of mist. Inherent lubricity of natural ester base oil increases lubricity over that of conventional mineral oil. High viscosity index provides high lubricity and film strength over a wide temperature range permitting consolidation of lubricants and often allows year-round use of a single ISO viscosity grade which minimizes lubricant inventory. Emulsifying formula combined with tackifiers ensures lubricity and performance in the presence of water. Tackifiers also help control mist.

VISCOSITIES AVAILABLE

ENVIROLOGIC® Rock Drill Oils are currently available in ISO 40, 68 and 100 viscosities. Other viscosities are available on request in both emulsifying and non-emulsifying types.

Contact RSC Bio Solutions with your specific application needs. In extremely cold weather, consult the manufacturer's operating or service manual.