

# ChevronTexaco Vistac® ISO 320 Rock Drill Oil

Category : Fluid , Lubricant

## Material Notes:

**Features**Chevron Rock Drill Oils Vistac are designed to give maximum protection to percussion rock drills. They are formulated from highly refined, high viscosity index, paraffinic base stocks and additives, which provide all of the performance characteristics, expected of a superior rock drill oil. As indicated by part of the name, Vistac, the additives provide an unusual adhesive or tacky quality. Chevron Rock Drill Oils Vistac are formulated to meet the critical lubrication demands of percussion rock drills. Their superior extreme pressure performance provides protection for the rock drill piston, rifle bar and nut against the heavy shock loads typical of rock drill service. The adhesiveness and emulsification tendency of these oils provide a tenacious lubricant film on the rock drills 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. The oils also provide excellent rust and corrosion protection, which is important in light of the corrosive environments in which many rock drills are used. Chevron Rock Drill Oils Vistac contain no chlorinated additives and are completely ashless, minimizing environmental and disposal considerations. Additionally, since rock drills are frequently used in mining environments where ventilation is limited, the low odor and toxicity of these lubricants are added benefits.

**Applications**Chevron Rock Drill Oils Vistac have proven excellence in all air-operated tools, such as jackhammers, drifters, etc. The wide viscosity range of this product line makes them suitable for use under many different climatic conditions. The additive package of these oils provides many performance characteristics, which lend themselves well to the lubrication of enclosed gears, and all types of industrial plain and anti-friction bearings. Their tacky quality makes these oils suitable for onces-through applications; e.g. lubrication of chain drives. They meet the performance requirements of many rock drill manufacturers, such as Ingersoll-Rand, Gardner-Denver, Sullivan, etc. Chevron Rock Drill Oils Vistac ISO 46, 100, 150, 220, and 320 meet all of the specifications of Ingersoll-Rand and Sullivan for light, medium, and heavy rock drill oils.

Physical Properties	Metric	English	Comments
API Gravity	26.7 °	26.7 °	
Viscosity Measurement	97	97	Viscosity Index; ASTM D2270
Saybolt Viscosity at 100°F	1616 SUS	1616 SUS	
Saybolt Viscosity at 210°F	117 SUS	117 SUS	
Kinematic Viscosity at 40°C (104°F)	304 cSt	304 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	23.5 cSt	23.5 cSt	ASTM D445

Mechanical Properties	Metric	English	Comments
Falex Load Test	1.59e+6 g	3500 lb	
Timken Test	24900 g	55.0 lb	

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<b>Thermal Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Pour Point	-18.0 °C	-0.400 °F	ASTM D97
Flash Point	260 °C	500 °F	ASTM D92

<b>Descriptive Properties</b>	<b>Value</b>	<b>Comments</b>
Steam emulsion number	>1200	

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