



CHEVRON ARIES[®]

ISO 46, 100, 150, 220, 320

CUSTOMER BENEFITS

Chevron Aries lubricants deliver value through:

- **Long equipment life** — Extreme pressure performance withstands heavy shock loads typical of rock drill service, protecting the equipment against rapid wear.
- **Reliability in wet conditions** — Provides a tenacious film that clings to lubricated parts. Resists being washed away by trace water in the compressed air.
- **Protection in wet environments** — Antirust performance protects critical parts from the corrosive action of wet environments.
- **Lower inventory cost** — A multipurpose lubricant that can be used for general purpose lubrication of gears, air tools, in hand oiling and for chain drives — reducing the number of lubricants in inventory.
- **Warranty protection** — Meet manufacturer specifications (Ingersoll-Rand and Sullivan specifications for light, medium and heavy rock drill oils). Provides assurance of meeting OEM warranty and service requirements.

FEATURES

Chevron Aries lubricants 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.

Chevron Aries lubricants 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 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.

These 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 Aries lubricants 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 Aries lubricants have proven excellent in all air-operated tools, such as jackhammers, drifters, etc.

The additive package 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 them suitable for once-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 Aries 46, 100, 150, 220 and 320 meet all of the specifications of **Ingersoll-Rand** and **Sullivan** for light, medium and heavy rock drill oils.

TYPICAL TEST DATA

	46	100	150	220	320
<i>Product Number</i>	273265	273266	273272	273268	273267
<i>MSDS Number</i>	23516	23516	23516	23516	23516
API Gravity	32.2	31.5	29.8	28.8	26.7
Viscosity, Kinematic cSt at 40°C cSt at 100°C	43.7 6.5	95 10.9	143 14.4	209 18.5	304 23.5
Viscosity, Saybolt SUS at 100°F SUS at 210°F	226 48	495 64	750 77	1101 94	1616 117
Viscosity Index	98	98	99	98	97
Flash Point, °C(°F)	210(410)	230(446)	260(500)	260(500)	260(500)
Pour Point, °C(°F)	-24(-11)	-24(-11)	-24(-11)	-21(-6)	-18(0)
Timken OK Load, lb	60	65	65	70	75
Falex EP Fail Load, lb	3200	3200	3200	3200	3200
Steam Emulsion Number	>1200	>1200	>1200	>1200	>1200

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.