



ARIES®

32, 46, 100, 150, 220, 320

PRODUCT DESCRIPTION

Aries® lubricants are designed for use in percussion air tools.

CUSTOMER BENEFITS

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.
- **Low inventory cost** — A multipurpose lubricant that can be used for general purpose lubrication of gears, air tools, in hand oiling and for chain drives — minimizing the number of lubricants in inventory.

FEATURES

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 performance characteristics expected of an exceptional rock drill oil.

Aries lubricants are formulated to meet the critical lubrication demands of percussion rock drills. Their exceptional 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.

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

Aries lubricants have proven excellent in many 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 as applicable to the proper viscosity grade.

Their tacky quality makes them suitable for once-through applications; e.g. lubrication of chain drives.

Aries 46, 100, 150, 220 and 320 meet the specifications of **Ingersoll-Rand** Rock Drill Oil Specification for light, medium and heavy rock drill oils.

Product(s) manufactured in the USA and Colombia.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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TYPICAL TEST DATA

| | 32 | 46 | 100 | 150 | 220 | 320 |
|------------------------|-----------|-----------|------------|------------|------------|------------|
| <i>Product Number</i> | 273254 | 273265 | 273266 | 273272 | 273268 | 273267 |
| <i>SDS/MSDS Number</i> | | | | | | |
| <i>USA</i> | 26143 | 23516 | 23516 | 23516 | 23516 | 23516 |
| <i>Colombia</i> | — | — | 33458 | — | — | — |
| API Gravity | 25.2 | 32.2 | 31.5 | 29.8 | 28.8 | 26.7 |
| Viscosity, Kinematic | | | | | | |
| cSt at 40°C | 30.4 | 43.7 | 95 | 143 | 209 | 304 |
| cSt at 100°C | 5.1 | 6.5 | 10.9 | 14.4 | 18.5 | 23.5 |
| Viscosity, Saybolt | | | | | | |
| SUS at 100°F | 157 | 226 | 495 | 750 | 1101 | 1616 |
| SUS at 210°F | 43 | 48 | 64 | 77 | 94 | 117 |
| Viscosity Index | 95 | 98 | 98 | 99 | 98 | 97 |
| Flash Point, °C(°F) | 140(284) | 210(410) | 230(446) | 260(500) | 260(500) | 260(500) |
| Pour Point, °C(°F) | -42(-44) | -33(-27) | -30(-22) | -30(-22) | -24(-11) | -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 | >1200 |

Minor variations in product typical test data are to be expected in normal manufacturing.

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