



Aries

High performance air tool lubricants

Product description

Aries® is a specially formulated line of lubricants designed to help lubricate percussion-type air tools.

The Aries range, including Aries 32, Aries 100, and Aries 320, is engineered to provide tackiness, anti-fogging, and anti-foaming properties, designed to provide high performance in various applications.

Customer benefits

- Helps provide long equipment life through extreme pressure performance that can withstand heavy shock loads, contributing to protection against rapid wear.
- Designed to help ensure reliability in wet conditions, resisting wash-out by incidental water in compressed air.
- Contributes to protection in wet environments, offering anti-rust performance, helping to protect critical parts.
- Offers reduced inventory cost by serving as a multipurpose lubricant for general purpose lubrication of gears, air tools, hand oiling, and chain drives.
- Helps minimise disposal considerations due to its ashless nature and absence of chlorinated additives.

Product highlights

- **Helps extend equipment life**
- **Designed to resist water wash-out**
- **Contributes to rust protection**
- **Aims to reduce inventory cost**
- **Low ash formulation with no chlorinated additives helps minimise disposal considerations**

Selected specifications include:

Ingersoll-Rand Rock Drill Oil Specification

Applications

Aries lubricants are designed to help provide 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 help meet the critical lubrication demands of percussion rock drills. Their effective extreme pressure performance helps provide 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 help provide advanced 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 odour and toxicity of these lubricants are added benefits.

Aries lubricants have proven to be effective 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 32, 100, and 320 meet the specifications of Ingersoll-Rand Rock Drill Oil Specification for light, medium and heavy rock drill oils.

Centralized lubricators of larger crawler-mounted drill rigs.

Ambient temperature guidelines for adequate atomization of air-line lubricators:

Aries 100: 5°C to 25°C

Typical test data				
Test	Test Methods	Results		
Viscosity Grade		32	100	320
Shelf Life: 60 months from date of filling indicated on the product label				
Appearance	Visual	Yellow	Yellow	brown
Kinematic Viscosity at 40°C, mm ² /s	ISO 3104	32	100	320
Kinematic Viscosity at 100°C, mm ² /s	ISO 3104	5.3	11.3	24.4
VI	ISO 2909	95	98	97
Flash Point, °C	ISO 2592	140	230	260
Density at 15°C, kg/l	ASTM D1298	0.9025	0.8773	0.8900
Copper corrosion, 3h/100°C	ASTM D0130	Pass	Pass	Pass
Pour point, °C	ISO 3016	-42	-30	-18
Timken OK Load, lb	ASTM D2782	-	65	75
Falex EP fail load, lb	ASTM D2783	-	3200	3200
Steam Emulsion Number	ASTM D157	>1200	>1200	>1200

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Disclaimer: Data provided in this Product Data Sheet (PDS) is based on standard tests under laboratory conditions and is indicative only. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Neither Chevron nor its subsidiaries (i) make any warranty or representation as to the accuracy or completeness of this PDS; and/or (ii) accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.

When disposing of used product, take care to protect the environment and follow local legislation.

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.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see www.texacolubricants.com.

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