

Fluids Atlas Copco

- Portfolio -

The blood in your machine

Atlas Copco



Fluids and Lubricants

We have a complete line of fluids and lubricants ideally suited for your construction product portfolio.

Developed to match performance specifications and improve maintenance requirements, Atlas Copco fluids and lubricants help protect your investment, which keeps you productive and improves the resale value of your equipment.



Why choose genuine oil?

What makes every Atlas Copco lubricant unique is the mix of additives. These ensure the lubricant will perform just as it should, with properties such as oxidation resistance, viscosity at low temperatures, and anti-foaming.

Apart from the basic functions of lubrication and heat absorption, the lubricants prevent corrosion, contamination and premature wear.

ENGINEERED BY US!

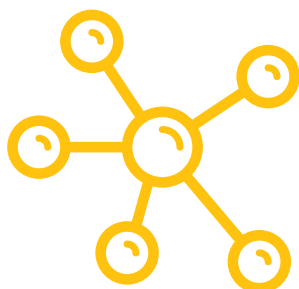
Our oils are engineered in-house in order to protect your equipment for the longest service interval at the lowest cost of ownership for all demanding conditions.

TESTED FOR YOU!

Although everything starts from our engineering labs, we never release our oils without real-life screening. This ensures our oils function well in a wide range of settings and conditions.

READY TO USE!

Our lubricants are made using a balanced recipe based on extensive research and development. You can count on improved uptime and will not be faced with unexpected costly breakdowns.



Base oil + **Anti-wear**
Anti-oxidation
Anti-foaming =

The perfect mix for your machine





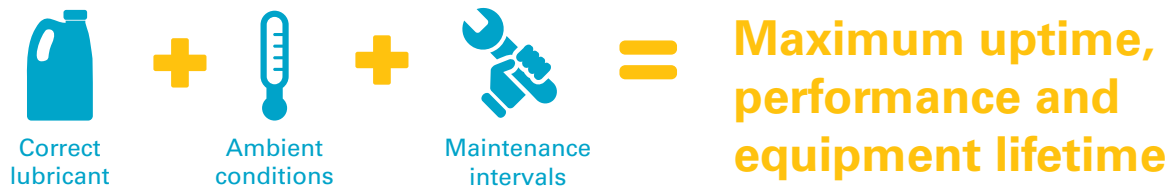
Safety Data Sheets MSDS/SDS

On our website, you can find all the Safety Data Sheets (SDS) for chemical products sold by Atlas Copco or included in spare parts as well as SDS for products classified as dangerous goods. You can use either the product name or the article number to find the product's SDS. Please note that the SDS is for a specific market. In the search result, country equals market.

atlascopco.com/msds

Pick the right lubricant

Every type of machine needs a specific lubricant, and that's not all. To achieve maximum uptime, performance and equipment lifetime, the choice of lubricant will also depend on the application, ambient conditions, flow pattern and maintenance intervals.





Compressor oil

Atlas Copco has a complete range of unique compressor oils, adapted to portable compressors.

Each type of compressor oil has been developed together with our suppliers and tested in our laboratories to secure compatibility with the seals, gaskets and materials. The oils are approved for all applications.

WEAR RESISTANCE

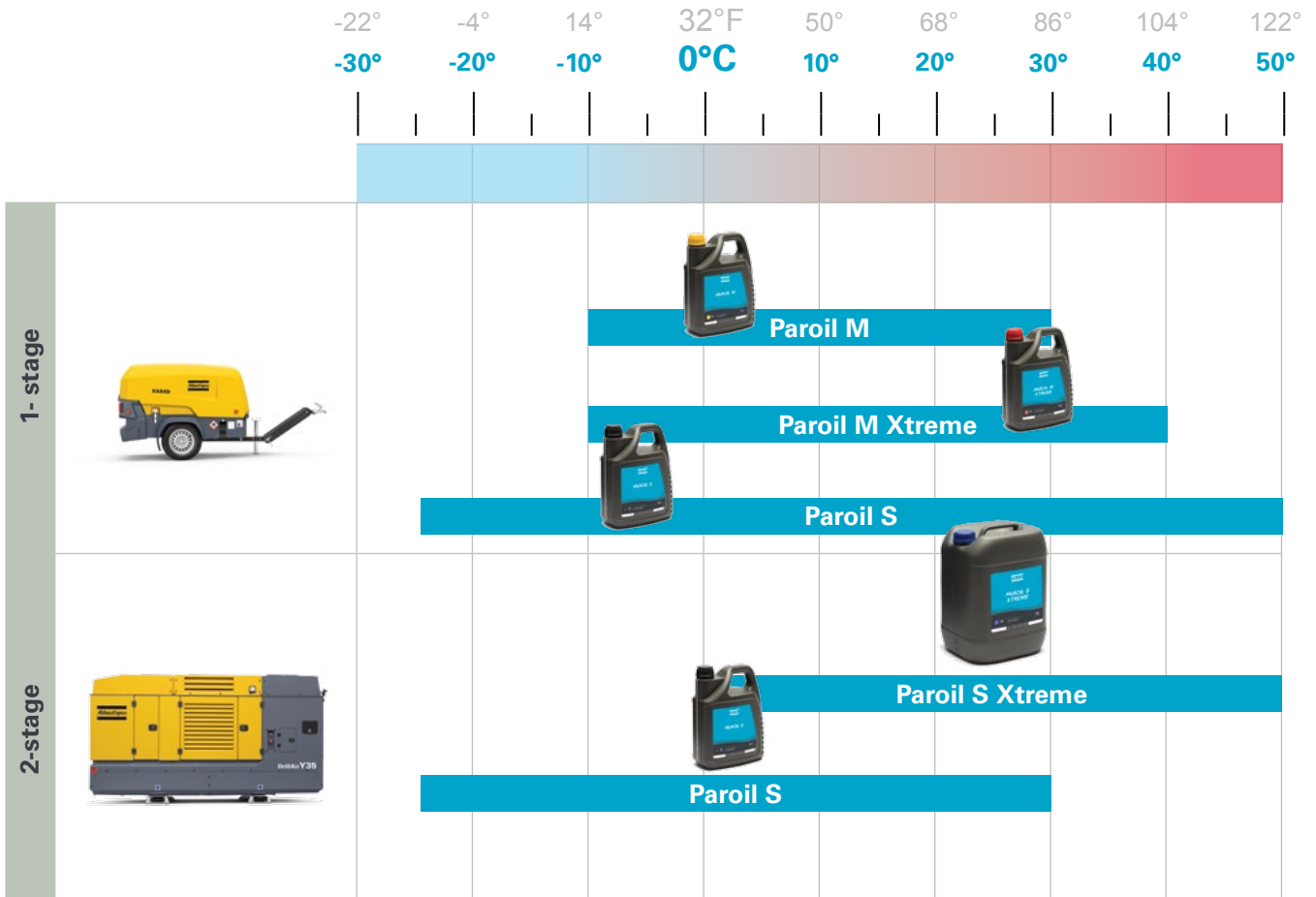
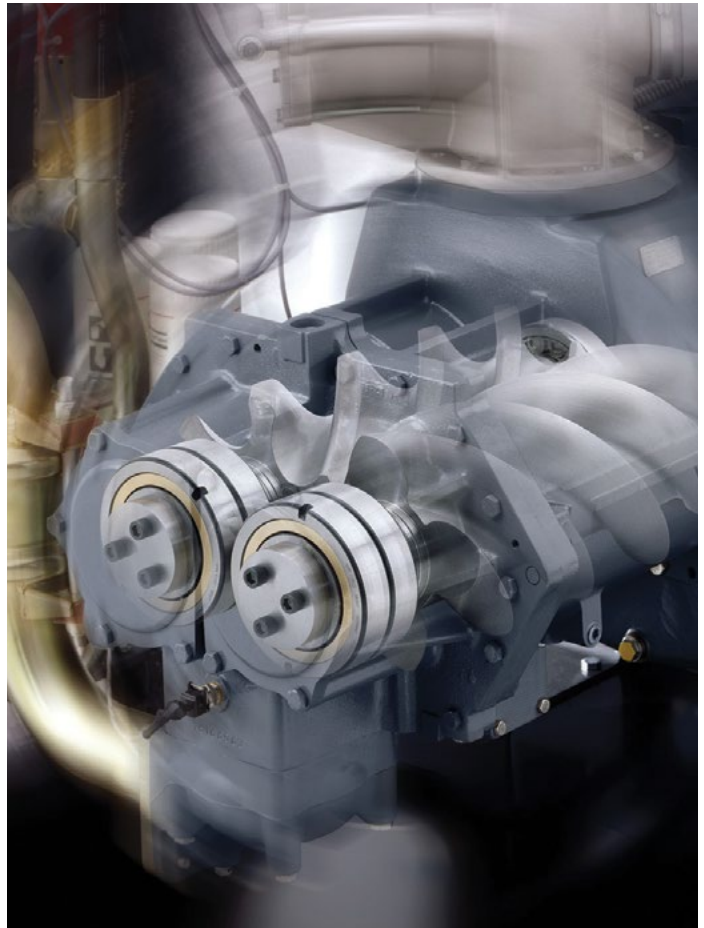
In operating conditions where the lubrication film is not sufficient, moving parts could briefly make contact. Anti-wear additives form a protective layer on such moving parts and prevent them from getting damaged.

OXIDATION RESISTANCE

When exposed to oxygen, high temperatures, water or dust, the oil will oxidize, creating oxidation products, acids and deposits that will decrease the oil life and may cause damage and undermine the compressor's performance.

SEPARATING WATER

During the compressor's use in various applications it can cause vaporization of water depending on the relative humidity and the ambient temperature. It is important to separate this water from oil in order to avoid an increase in the rate of oxidation and keep high oil lubrication performance.





Paroil M

Mineral compressor oil

Paroil M is a mineral-based, premium-quality oil with a high viscosity index and additives which provide the superior anti-wear and film strength and other performance characteristics necessary for the most critical applications.

Atlas Copco Paroil M is developed specifically to provide high levels of performance and protection for single-stage compressors in low-pressure applications working in standard ambient temperatures between -10° and +30°C.

- High oxidation resistance
- Perfect water separation
- Balanced composition on anti-foaming and air release
- Top protection against wear

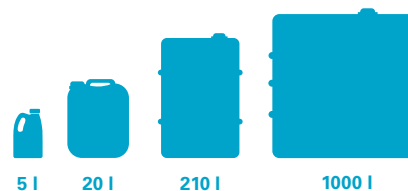


Performance:

Performance	Method	Unit	Value
Viscosity at 40°C	ASTM D 445	mm ² /s	46
Viscosity at 100°C	ASTM D 445	mm ² /s	7.0
Viscosity Index	ASTM D 2270		108
Density at 15°C	ISO 3675	kg/dm ³	0.88
Flash point COC	ASTM D 92	°C	212
Pour point	ASTM D 97	°C	-33

These characteristics are typical of current production. While future production will conform with Atlas Copco's specification, variations in these characteristics may occur. Complies with ISO 6743 /3 /1A class L-DAH.

Capacity:



Capacity	Part number
5 l	1615 5947 00
20 l	1615 5948 00
210 l	1615 5949 00
1000 l	1630 0310 00



Equipment:
Single-stage low-pressure compressors
7 -12 bar



Ambient temperature range: -10°C to 30°C
14°F to 86°F



Service intervals:
500 hours or 1 year



Paroil M Xtreme

Extended lifetime mineral oil

Paroil M Xtreme is a mineral-based oil uniquely formulated for your new-generation Atlas Copco single-stage portable compressors. Although a higher-level base oil and specific additive packaging may extend service intervals, Paroil M Xtreme will ensure your portable compressor will continue to operate in all demanding conditions. Constant oil film protection will protect your element rotors and bearings and will work in harmony with all other components of your portable compressors. Special additive packaging results in less contamination, better water separation and no leakages. Paroil M Xtreme will set a higher level of productivity standards and higher uptime on you job site.

- Premium mineral-based oil
- New additive formula
- Unbeatable service interval
- Excellent oxidation resistance and water separation
- High oil carry-over performance

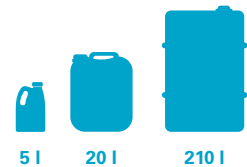


Performance:

Performance	Method	Unit	Value
Viscosity at 40°C	ASTM D 445	mm ² /s	46
Viscosity at 100°C	ASTM D 445	mm ² /s	6.85
Viscosity Index	ASTM D 2270		108
Density at 15°C	ISO 3675	kg/dm ³	0.86
Flash point COC	ASTM D 92	°C	212
Pour point	ASTM D 97	°C	-30

These characteristics are typical of current production. While future production will conform with Atlas Copco's specification, variations in these characteristics may occur. Complies with ISO 6743 /3 /1A class LDAH.

Capacity:



Capacity	Part number
5 l	1615 5958 00
20 l	1615 5959 00
210 l	1615 5960 00



Equipment:
Single-stage compressors
7 -12 bar



Ambient temperature range: -10°C to 40°C
14°F to 104°F



Service intervals:
1,000 hours or 2 years



Paroil S

Synthetic lubricant

Atlas Copco Paroil S has been designed to provide a high level of performance in air compressors working in severe conditions. Although it has been designed in the first place for high-pressure applications, Paroil S can be used in all our portable compressors for ambient temperatures between -25°C and +30°C and up to +50°C for low-pressure applications.

Paroil S is a fully synthetic premium-quality oil with a high viscosity index. The quality lubricator additives allow for oil change intervals of 1000 hours without any loss in performance and compressor longevity.

- Excellent oxidation resistance
- Excellent water separation
- Excellent seal and paint compatibility
- Balanced composition on anti-foaming and air release
- Top protection against wear
- High viscosity index



Performance:

Performance	Method	Unit	Value
Viscosity class ISO VG	ISO 6743		46
Density at 15°C	ISO 3675	kg/dm ³	0.843
Viscosity at 40°C	ASTM D 445	mm ² /s	46
Viscosity at 100°C	ASTM D 445	mm ² /s	7.3
Pour point	ASTM D 97	°C	-57
Viscosity index	ASTM D 2270		133
Flash point COC	ASTM D 92	°C	248

These characteristics are typical of current production. While future production will conform with Atlas Copco's specification, variations in these characteristics may occur. Complies with ISO 6743 /3 /1A class L-DAH.

Capacity:



Capacity	Part number
5 l	1.32 US gal 1630 0160 00
20 l	5.28 US gal 1630 0161 00
210 l	55.48 US gal 1630 0162 00
1000 l	264.17 US gal 1630 0163 00



Equipment:
Single-stage low-pressure compressors
7 -12 bar (mandatory for cold start option equipped compressors)

Two-stage high-pressure compressors 20 - 30 bar



Ambient temperature range: -25°C to +30°C / -13°F to +86°F (+50°C / +211°F when used in single-stage applications). Compatible with operation in high-humidity conditions.



Service intervals:
1000 h or 1 year



Paroil S Xtreme

Synthetic lubricant for high ambient temperatures

Atlas Copco Paroil S Xtreme has been designed to provide optimum levels of performance and protection for all 30-to-35-bar applications and for all portable two-stage compressors running in ambient temperatures above 30°C.

Paroil S Xtreme is a fully synthetic premium-quality oil with a high viscosity index. The quality lubricator additives allow for oil change intervals of 1,000 hours without any loss in performance and compressor longevity.

- Excellent oxidation resistance
- Excellent water separation
- Excellent seal and paint compatibility
- Balanced composition on anti-foaming and air release
- Top protection against wear
- High viscosity index

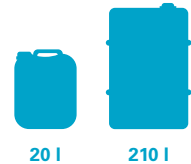


Performance:

Performance	Method	Unit	Value
Viscosity class ISO VG	ISO 6743		68
Density at 15°C	ISO 3675	kg/dm ³	0.861
Viscosity at 40°C	ASTM D 445	mm ² /s	68
Viscosity at 100°C	ASTM D 445	mm ² /s	9.5
Pour point	ASTM D 97	°C	-45
Viscosity index	ASTM D 2270		119
Flash point COC	ASTM D 92	°C	248

These characteristics are typical of current production. While future production will conform with Atlas Copco's specification, variations in these characteristics may occur. Complies with ISO 6743 /3 /1A class L-DAH.

Capacity:



Capacity	Part number
20 l	1630 0180 00
210 l	1630 0181 00
1000 l	1630 0182 00



Equipment:

Two-stage high-pressure compressors
20 - 35 bar (mandatory for 30 - 35 bar applications)

Compatible with operation in high-humidity conditions.



Ambient temperature range: -10°C to +50°C/14°F to +122°F



Service intervals:

1,000 hours or 1 year

Committed to sustainable productivity

We stand by our responsibilities towards our customers,
towards the environment and the people around us.
We make performance stand the test of time.
This is what we call – Sustainable Productivity.

Atlas Copco Power Technique Service

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