

Fluids and Lubricants Portfolio

The blood in your machine

Atlas Copeo



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!

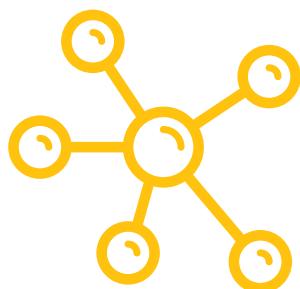
Our oils are engineered in-house in order to protect your equipment for the longest service interval at the lowest cost of ownership for all demanding conditions.

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/sds

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

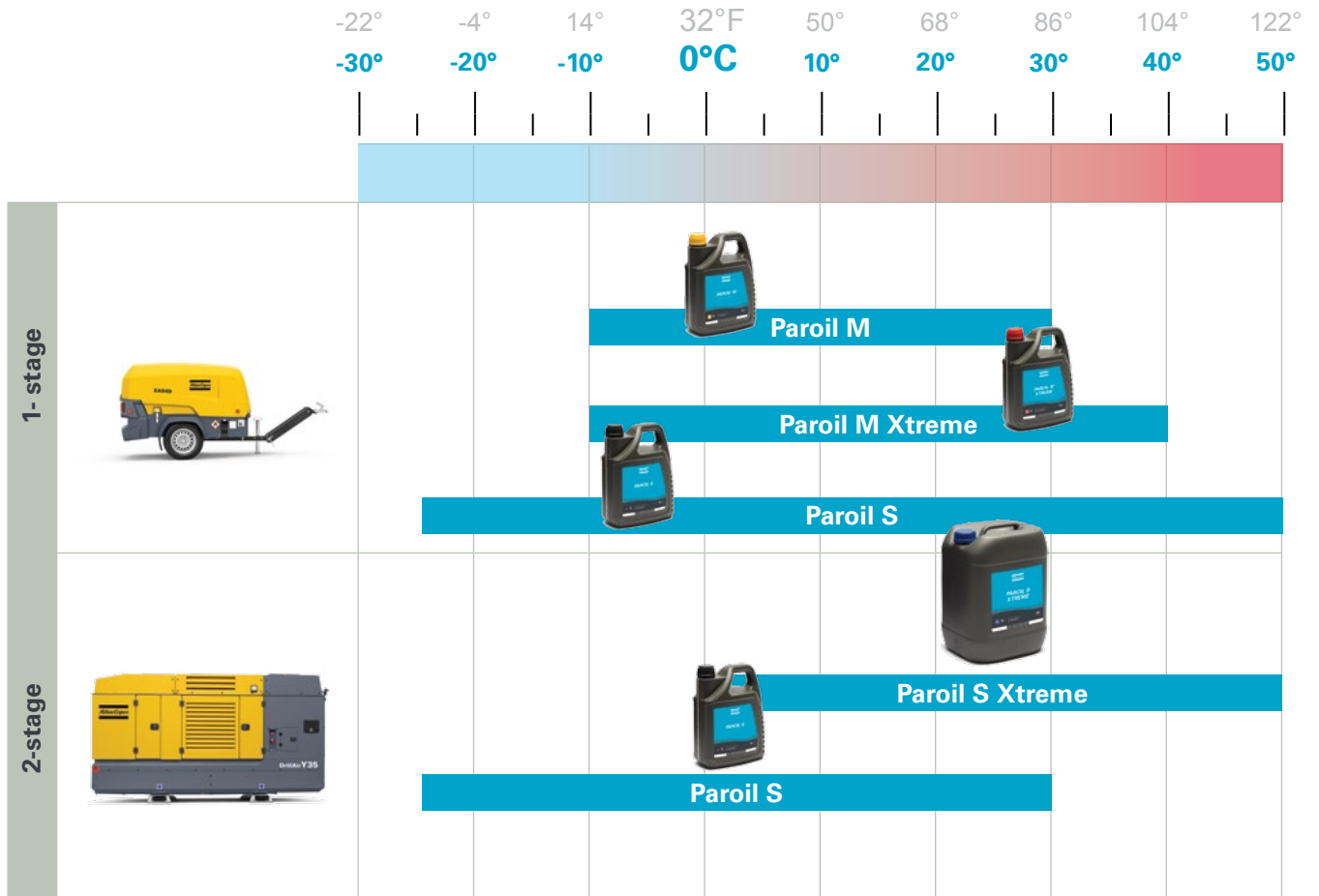
In operating conditions where the lubrication film is not sufficient, moving parts could briefly make contact. Anti-wear additives form a protective layer on such moving parts and prevent them from getting damaged.

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

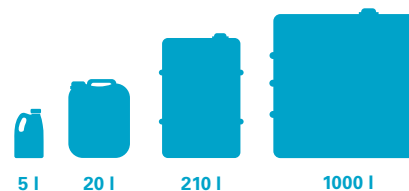


Performance:

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

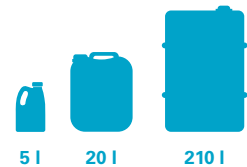


Performance:

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 L-DAH.

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.



Equipment:

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

Two-stage high-pressure compressors 20 - 30 bar



Capacity:



Capacity	Part number
5 l	1630 0160 00
20 l	1630 0161 00
210 l	1630 0162 00
1000 l	1630 0163 00



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	1.32 US gal	1630 0180 00
210 l	5.28 US gal	1630 0181 00
1000 l	264.17 US gal	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



Engine oil

Paroil Engine oils are formulated, approved, and recommended by our engine suppliers. Atlas Copco oils guarantee that the engines in your construction machinery will continue to run smoothly between service intervals.

BALANCED COMPOSITION

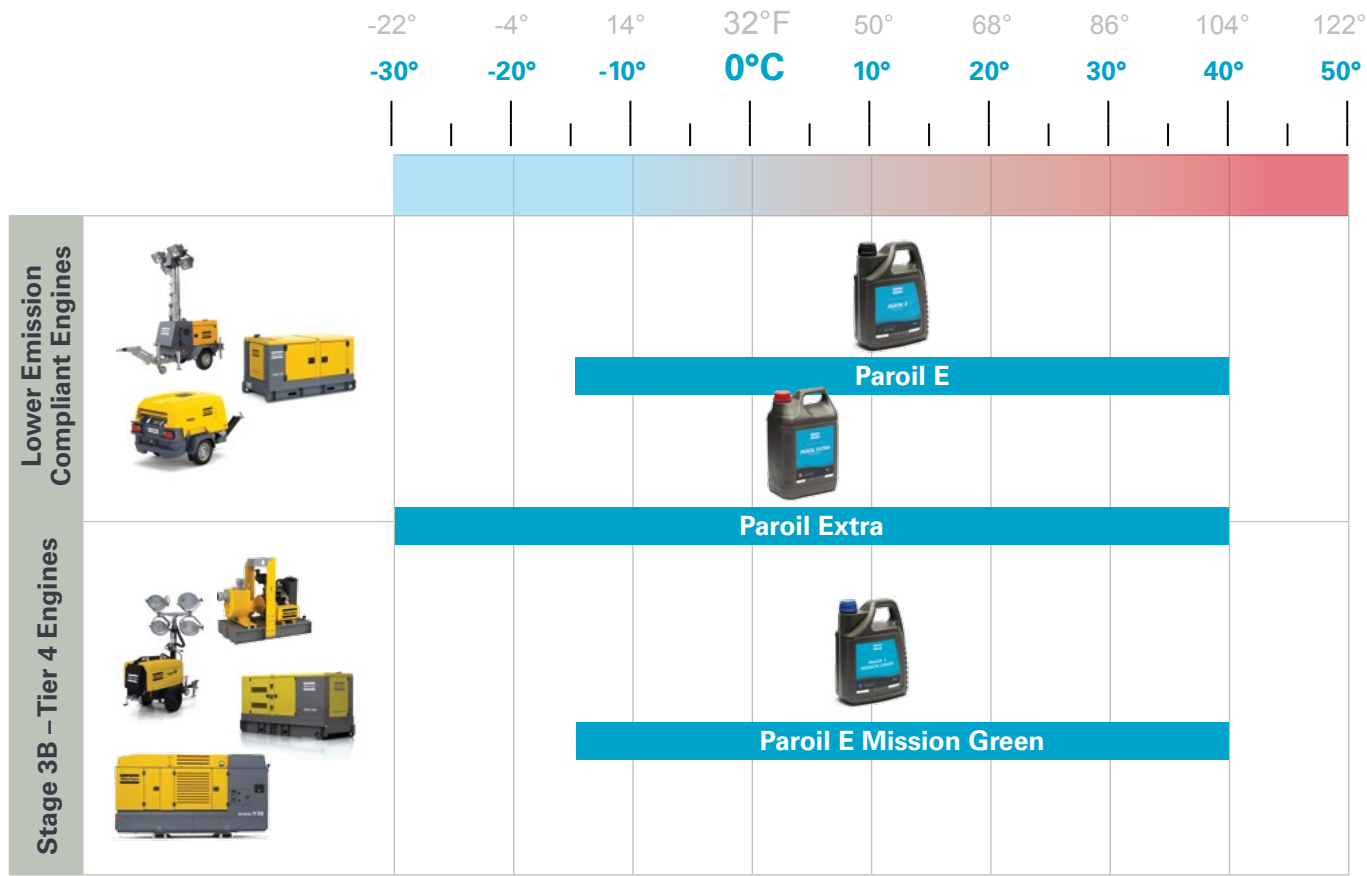
Releases excess heat efficiently, while maintaining excellent bore-polish protection to limit oil consumption.

QUALITY LUBRICANT ADDITIVES

Extended oil change intervals without loss in performance. Less time and money spent in changing oil. Reduced operating costs without compromise.

COMPATIBLE WITH EMISSION SYSTEMS

In order to comply with emission regulations, there is always an option in our portfolio that will be compatible with your other diesel driven equipment.





Paroil E

Mineral engine oil

Paroil E is a high-performance engine oil intended for the lubrication of all diesel engines as used in our compressors and generators. It meets stringent quality control specifications to ensure your equipment will run smoothly and reliably.

- Superb anti-wear and corrosion protection
- Extremely high oxidation stability
- Balanced composition
- Protection against the harmful effects of soot
- Quality lubricant additives

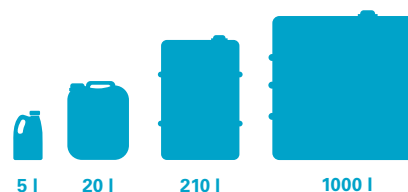


Performance:

Performance	Method	Unit	Value
SAE viscosity grade	SAE J 300		15W40
Kinematic viscosity at 40°C	ASTM D 445	mm ² /s	105.1
Kinematic viscosity at 100°C	ASTM D 445	mm ² /s	14.3
Viscosity index	ASTM D 2270		139
Density at 15°C	ISO 3675	kg/dm ³	0.886
Flash point COC	ASTM D 92	°C	230
Pour point	ASTM D 97	°C	-39

Paroil E is optimized for the latest low-emission engines meeting Euro 5, 4, 3, 2 and US 2002 emission requirements. Further specifications: API CI-4, CH-4, CG-4, CF-4, CFSL

Capacity:



Capacity	Part number
5 l	1615 5953 00
20 l	1615 5954 00
210 l	1615 5955 00
1000 l	1630 0096 00

Equipment:

Atlas Copco portable compressors, generators, pumps and light towers.



Ambient temperature range: -15°C to 40°C
5°F to 104°F



Service intervals:
See user manual



Paroil Extra

Synthetic engine oil

Paroil Extra is an ultra-high-performance engine oil intended for the lubrication of all diesel engines as used in our compressors and generators. It meets stringent quality control specifications to ensure your equipment will run smoothly and reliably.

This premium synthetic lubricant, containing anti-wear additives, antioxidants, and corrosion inhibitors, provides excellent high-temperature viscosity retention for modern diesel engines. Low-temperature fluidity ensures good cold-start cranking and effective oil flow to critical components during engine start-up. Paroil Extra provides a very high level of protection to all parts of the engine. Overall engine cleanliness is improved under the most severe conditions.

Paroil Extra has been optimized for the newest low-emission categories of heavy-duty diesel engines and applications with particle filters.

Performance:

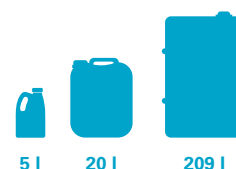
Performance	Method	Unit	Value
SAE viscosity Grade	SAE J 300		5W40
Kinematic viscosity at 40°C	ASTM D 445	mm ² /s	88.5
Kinematic viscosity at 100°C	ASTM D 445	mm ² /s	14.6
Viscosity index	ASTM D 2270		168
Flash point COC	ASTM D 92	°C	232
Pour point	ASTM D 97	°C	-42

Paroil Extra is optimized for the latest low-emission engines running on low-sulphur diesel for lower oil and fuel consumption. API CJ-4 service category



- Superb anti-wear and corrosion protection
- Extremely high oxidation stability
- Balanced composition
- Protection against the harmful effects of soot
- Quality lubricant additives
- Recommended for use in low-emission designs (Euro 4, 5, US 2007, Tier 4 ACEA E9).
- Helps minimize downtime

Capacity:



Capacity	Part number
5 l	1630 0135 01
20 l	1630 0136 01
209 l	1626 0102 00

Equipment:

Atlas Copco portable compressors, generators, pumps and light towers



Ambient temperature range:

-15°C to 40°C/5°F to 104°F
Recommended use in cold-start conditions and low-emission engines.



Service intervals:

See user manual



Paroil E Mission Green

Mineral lubricant for Stage 3b/Tier 4 engines

Paroil E Mission Green is a high-performance engine oil intended for the lubrication of all diesel engines as used in our compressors, generators and self-priming diesel pumps, both the latest low-emission models (Euro 4, 5, US 2007, ACEA E9) and previous versions. It meets stringent quality control specifications to ensure your equipment will run smoothly and reliably.

This oil is formulated from a highly refined mineral oil and an advanced additive system, showing excellent high-temperature viscosity retention under extended service. Paroil E Mission Green provides a very high level of protection to all parts of the engine. Overall engine cleanliness is improved under the most severe conditions.

- Superb anti-wear and corrosion protection
- Extremely high oxidation stability
- Balanced composition
- Protection against the harmful effects of soot

- Quality lubricant additives
- Recommended for use in low-emission designs
- Contributes to minimal downtime
- Compliance with latest emission regulations (Euro 4, 5, US 2007, Tier 4 ACEA E9).



Performance:

Performance	Method	Unit	Value
Sulphated ash	ASTM D874		1.0 max
Kinematic viscosity at 40°C	ASTM D 445	mm ² /s	117
Kinematic viscosity at 100°C	ASTM D 445	mm ² /s	15.2
Viscosity index	ASTM D 2270		139
Density at 15°C	ISO 3675	kg/dm ³	0.883
Flash point COC	ASTM D 92	°C	225
Pour point	ASTM D 97	°C	-34

Paroil E Mission Green is optimized for the latest low-emission (EURO 4, 5 and US 2007) EPATIER II, III and IV engines running on low-sulphur diesel for lower oil and fuel consumption. API CJ-4 and ACEA E9,E7.

Capacity:



Capacity		Part number
5 l	1.32 US gal	1630 0471 00
20 l	5.28 US gal	1630 0472 00
210 l	55.48 US gal	1630 0473 00

Equipment:

Atlas Copco portable compressors, generators and portable self-priming pumps, light compaction rollers, plates and rammers, hydraulic power packs, floor saws, trowels, screeds, etc.



Ambient temperature range: -15°C to 40°C
5°F to 104°F



Service intervals:
See user manual



Coolant

The development of lighter, more effective engines has put more and more demands on the cooling system. A coolant must combine improved cooling capacity with enhanced levels of component protection.



Parcool EG

Engine coolant

Atlas Copco's Parcool EG extended life coolant is designed to meet the needs of modern engines. Parcool EG can help prevent leaks caused by corrosion. Parcool EG is also fully compatible with all sealants and gasket types developed to join different materials used within an engine.

- Premixed solution
- Best engine protection
- Assured quality
- Assured reliability
- Extended lifetime



Performance:

Performance	Unit	Value
Density at 20°C	kg/dm ³	1.12
Boiling point	°C	169
Ethylene Glycol % min		93
Freezing point	°C	-40

Capacity:



	Capacity	Part number
5 l Concentrate	1.32 US gal	1604 8159 01
5 l	1.32 US gal	1604 5308 01
20 l	5.28 US gal	1604 5307 02
210 l	55.48 US gal	1604 5306 01

Equipment:

Atlas Copco portable compressors, generators, light towers, pumps.



Service intervals:

Every 5 years or based on condition (see user manual)



Parcool Green

High-performance coolant

Parcool Green has been developed and formulated by Atlas Copco to ensure high-grade protection for your new-generation Atlas Copco equipped with low-emission engines. The special formulation warrants long-life service protection against boiling and corrosion.

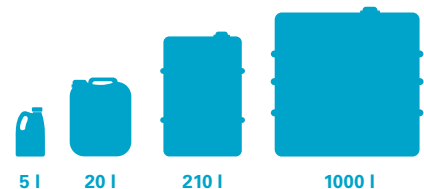
- Extended and superior corrosion protection.
- Improved heat transfer, enabling flexibility in engine design.
- Excellent protection reduces thermostat, radiator and water pump repairs during the warranty period.
- Depletion-free and chemically stable inhibitor offers reliability to the user.



Performance:

Performance	Unit	Value
Density at 20°C	kg/dm ³	1.061
Boiling point	°C	110
pH		7.8
Freezing point	°C	-37

Capacity:



Capacity	Part number
5 l	1630 0134 01
20 l	1630 0134 06
210 l	1630 0134 07
1000 l	1638 7547 00

Equipment:

Atlas Copco portable compressors, generators, light towers, pumps.



Service intervals:

Every 5 years or based on condition (see user manual)

Go mobile

Construction App

Find all the information about Atlas Copco Construction Technique's products and services.

Parts Online

User-friendly platform to find the spare parts and catalogues for construction equipment.

Shop Online

Handle your orders 24 hours a day. Fast, easy and safe.



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 Construction Technique Service
atlascopco.com

Atlas Copco