

**ROCOL<sup>®</sup>**

# SPECIALIST INDUSTRIAL LUBRICANTS

Lubrication Guide

Performance you can trust

ROCOL<sup>®</sup> A division of **ITW** Ltd





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From product concept, design and development to technical expertise and customer services, ROCOL® supports all lubrication and maintenance needs in the industrial manufacturing process.

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Customer Service: +44 (0)113 232 2700

## One simple solution

The industrial manufacturing sector is colossal. Made up of multiple sub-industries manufacturing products worth close to £200bn each year, it's the leading UK exporter and accountable for almost one-fifth of the economy. Consider the rest of the world, and that's an unfathomable amount of production lines operating every day - many around the clock - to meet the global demand for goods.

To keep your machinery functioning at its best requires a high level of care, not only on the surface but deep into its core componentry, with every last bearing, chain and gear catered to. But not all maintenance solutions are equal and using a trusted, reputable source who understands the challenges manufacturers face to keep factories running is essential to your machine's longevity.

A world leader in high-performance lubrication and machine maintenance solutions, ROCOL® supports thousands of industrial sector brands to care for their equipment and keep production lines operational. Developed by our in-house team of highly skilled engineers and chemists, our technically advanced systems are relied on by leading brands across the globe, designed to keep the world's machinery moving efficiently, delivering outstanding results for longer.



## Performance you can trust

Our range in highly-developed and technically advanced lubricants and machine cleaning solutions are designed to meet the demands of our customers worldwide.

### ROCOL® BENEFITS IN BRIEF

- ▶ Extended component life
- ▶ Increased lubrication intervals
- ▶ Reduced downtime

### HOW OUR PRODUCTS SUPPORT THE GLOBAL INDUSTRIAL MANUFACTURING SECTOR

- ▶ Keeping production lines free from failure or contaminants
- ▶ Protecting against corrosion to extend the machine life
- ▶ Lowering total cost of ownership and labour costs

ROCOL® meets stringent quality management standards and holds various accreditations including AS EN 9100:2018 and ISO 9001:2015.



## Meeting our industrial customer needs

Across the world, manufacturers produce all manner of goods every day - from the food we eat to the medicines we take and a plethora of items we use to work, communicate, travel and entertain ourselves.

With almost every product factory-made in bulk, manufacturing lines need to work at high speeds over extended periods without breaks while staying in premium condition to maximise uptime and save on cost. Our range of innovative solutions, including greases, oils, metalworking fluids and lubricants, are designed to exceed today's challenging operating conditions and keep our customers production lines moving for longer, for less total cost of ownership.

### OUR INDUSTRIAL SECTOR PRODUCT CATEGORIES

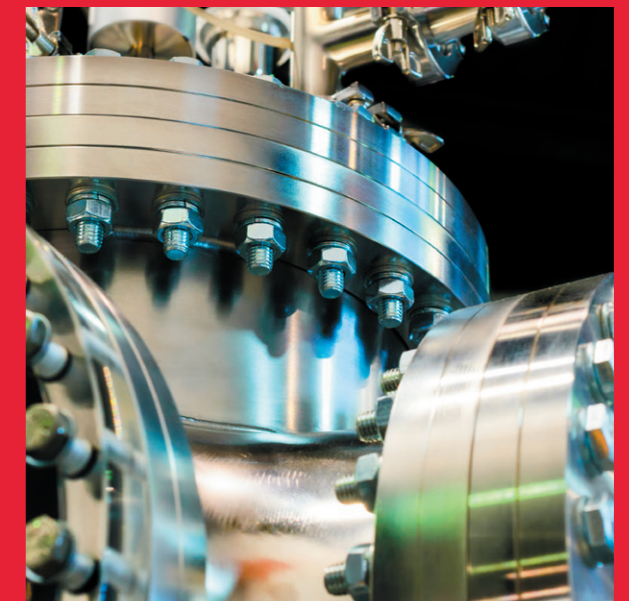
- ▶ Bearing Greases
- ▶ Chain Lubricants
- ▶ Gear Oil / Open Gear Lubricants
- ▶ Compressor and Hydraulic
- ▶ Anti-Seize and Assembly
- ▶ Corrosion Protection
- ▶ Industrial Cleaners

### HISTORY OF EXCELLENCE

Since our inception, ROCOL® has worked with some of the world's leading brands in many diverse industries and applications, developing products with one common goal: to deliver optimum performance.

Our technically-advanced solutions place industry needs at their core, each one developed in the spirit our team is famed for:

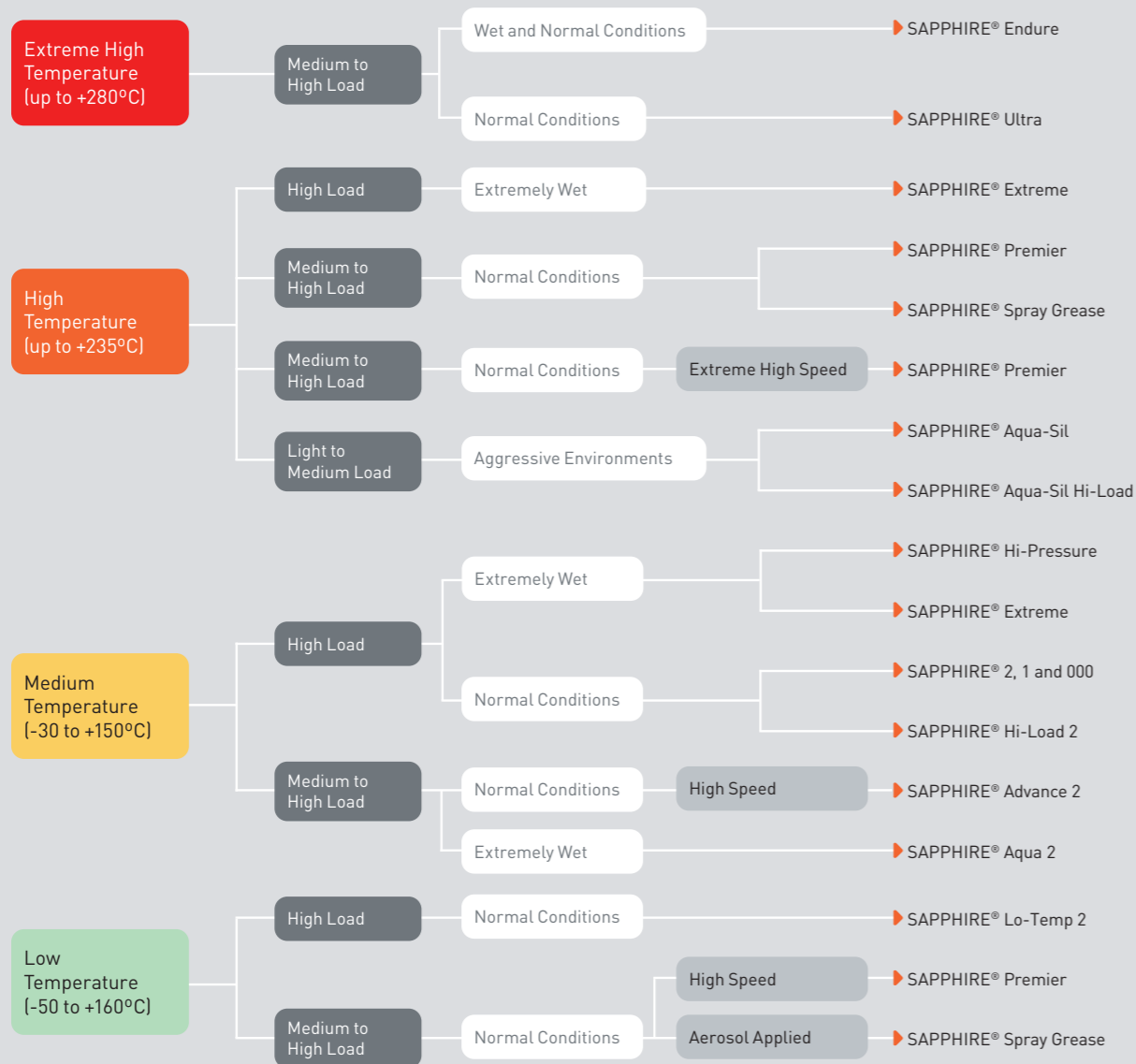
- ▶ Trusted superior performance
- ▶ Problem-solving
- ▶ High quality
- ▶ Technical innovation
- ▶ Superior technical and after-sales support





# Bearing Greases

This selection chart has been designed to help you choose the correct bearing grease for your application.



The Rocol® SAPPHIRE® bearing grease range provides effective long term lubrication to meet the ever-increasing needs of today's production environment.

All SAPPHIRE® products are designed to accommodate a multitude of industrial operating conditions and provide manufacturers with high-performance lubricants suitable to all bearing types, developed to extend bearing life and provide superior corrosion protection.

## SAPPHIRE® 2 / 1 / 000

Heavy-duty bearing greases designed to lubricate and protect all types of ball, roller and plain bearings. Lasts three times as long as standard soap-based lubricants and is highly effective on cost.

- ▶ Highly resistant to oxidation providing greatly extended lubrication intervals
- ▶ Excellent corrosion resistance in humid, damp or wet conditions
- ▶ Highly tenacious lubricants with outstanding film strength that stays intact even in severe operating conditions
- ▶ Multi-complex soap technology enhances shear stability

### SAPPHIRE® 2

Part Code	Size
12171	400g
12176	5kg
12175	18kg
12178	50kg
12179	185kg

### SAPPHIRE® 000

Part Code	Size
12284	18kg

TEMP RANGE  
-30°C to +150°C

### SAPPHIRE® 1

Part Code	Size
12601	400g
12614	18kg
12609	185kg



## SAPPHIRE® Advance 2

Multi-purpose EP bearing grease fortified with PTFE for maximum bearing life. Effective in a range of applications operating at high speeds such as electric motors and fan bearings.

- ▶ Lithium complex soap technology with EP additives for outstanding high load performance
- ▶ Superior to standard soap-thickened lubricants
- ▶ Outstanding performance at high speed for most industrial applications
- ▶ PTFE reduces friction and stick-slip on start-up through more controlled movement

TEMP RANGE  
-30°C to +160°C

Part Code	Size
12411	380g
12446	18kg





### SAPPHIRE® Spray Grease

Multi-purpose EP grease fortified with PTFE to reduce friction and stick-slip at start-up, in an easy-to-apply aerosol.

- ▶ Provides excellent protection for components at low temperatures and in extreme sub-zero conditions
- ▶ Lithium complex soap technology with EP additives gives outstanding high load performance
- ▶ Fully synthetic base oil leaves minimal residues even at elevated temperatures
- ▶ Highly resistant to oxidation and protects over extended intervals to reduce lubricant usage and equipment failure
- ▶ Excellent corrosion resistance in humid, damp or wet conditions

TEMP RANGE	
-50°C to +200°C	
Part Code	Size
34305	400ml



### SAPPHIRE® Premier

Multi-purpose EP bearing grease fortified with PTFE for maximum bearing life, ideal for use in low or high temperatures and at high speeds.

- ▶ Fully synthetic base oil leaves minimal residues even at elevated temperatures
- ▶ Effective in a range of applications and as an electrical contact grease
- ▶ PTFE reduces friction and stick-slip on start-up through more controlled movement
- ▶ Outstanding performance at high-speed for most industry applications (dmN factor 500,000)

TEMP RANGE	
-50°C to +200°C	
Part Code	Size
12471	380g
12475	4kg
12474	18kg
12479	170kg



### SAPPHIRE® Hi-Load 2

Long life, multi-purpose bearing grease fortified with molybdenum disulphide. Combines the triple life performance of SAPPHIRE 2 with MoS<sub>2</sub>, effective in the most extreme loadings where other grease films are squeezed out.

- ▶ High tenacity film with extreme durability that reduces frictional heat, wear and extends component life and lubrication intervals.
- ▶ Ideal for highly loaded applications where shock and vibration occur.
- ▶ Maintains integrity in extreme conditions and protects

TEMP RANGE	
-30°C to +150°C	
Part Code	Size
12761	400g
12765	5kg
12764	18kg



### SAPPHIRE® Lo-Temp 2

Multi-complex, semi-synthetic grease formulated to perform at extremely low temperatures, ideal in cold stores and refrigerated areas.

- ▶ Excellent start-up and running torques reducing drag even at low temperatures
- ▶ Highly tenacious with outstanding film strength that stays intact in severe operating conditions
- ▶ Triple-life bearing grease ensures high performance over extended lubrication intervals

TEMP RANGE	
-50°C to +120°C	
Part Code	Size
12749	185kg



### SAPPHIRE® Aqua 2

Multi-purpose water-resistant EP bearing grease ideal for applications operating in damp, humid, wet or water-submerged conditions.

- ▶ Aluminium complex soap technology for outstanding high load performance superior to standard soap-thickened lubricants
- ▶ Strong adhesive quality resists water wash-off, submergence and saltwater tidal flow
- ▶ Excellent corrosion resistance in humid, damp or wet conditions
- ▶ Resistance to oxidation over extended intervals, reducing lubricant usage and equipment failure

TEMP RANGE	
-20°C to +150°C	
Part Code	Size
12751	380g
12755	4kg
12754	18kg
12758	50kg



If you require help selecting a product, contact ROCOL® on: **+44 (0) 113 232 2600**



### SAPPHIRE® Hi-Pressure

High load plain bearing grease fortified with molybdenum disulphide for excellent temperature and water resistance.

- ▶ Highly-tenacious film with a low coefficient of friction effective on multiple surfaces including metal
- ▶ Extreme durability reduces frictional heat and wear with extended lubrication intervals
- ▶ Offers excellent corrosion resistance to protect in humid, damp and even wet conditions
- ▶ Ideal for highly loaded applications where shock and vibration occur

TEMP RANGE  
-20°C to +150°C

Part Code	Size
12011	400g
12016	5kg
12024	18kg
12018	50kg



### SAPPHIRE® Extreme

High load, high-temperature bearing grease combining MoS2 with a clay thickener, creating a film that lubricates effectively under extreme load where other grease films are squeezed out.

- ▶ Non-melting, organically-modified clay (Bentone) thickened grease fortified with molybdenum disulphide
- ▶ Excellent corrosion resistance, water-resistant and protects in humid, damp or wet conditions
- ▶ Ideal for highly loaded applications where shock and vibration occur
- ▶ Maintains integrity in extreme conditions over extended intervals, reducing lubricant usage and equipment failure

TEMP RANGE  
-10°C to +235°C

Part Code	Size
12211	400g
12216	5kg
12214	18kg
12218	50kg



### SAPPHIRE® Aqua-Sil

Highly resistant silicone grease for long term lubrication in wet environments.

- ▶ Outstanding resistance to chemicals, oils and gases superior to standard greases
- ▶ Excellent resistance to water and saltwater even in submerged conditions
- ▶ Approved for use in both hot and cold potable drinking water
- ▶ Suitable for use on most rubbers and plastics including assembly of rubber seals, tap washers and 'O' rings
- ▶ Extremely long wet life reducing re-lubrication intervals

TEMP RANGE  
-40°C to +200°C

Part Code	Size
12251	85g
12253	500kg
12256	5kg



### SAPPHIRE® Aqua-Sil Hi-Load

Highly resistant silicone grease, with molybdenum disulphide, for long term lubrication in wet environments.

- ▶ Excellent resistance to water and saltwater even in submerged conditions
- ▶ Approved for use in both hot and cold potable drinking water
- ▶ Suitable for use on most rubbers (not suitable for silicone rubber)
- ▶ Extremely long wet life reducing lubrication intervals
- ▶ High dielectric strength making it ideal for use as an electrical filling compound

TEMP RANGE  
-40°C to +200°C

Part Code	Size
12263	500kg
12266	5kg



### SAPPHIRE® Endure

High performance PFPE based EP lubricant fortified with PTFE.

- ▶ Oxygen-resistant, non-toxic lubricant with high oxidation and thermal resistance
- ▶ Used in chemically-aggressive systems with no detriment to rubbers, plastics or metals
- ▶ WRAS-approved for use in drinking water systems
- ▶ Outstanding EP performance with weld loads up to 620kg

TEMP RANGE  
-25°C to +280°C

Part Code	Size
12330	100g
12331	700g
12334	1kg
12336	5kg
12337	18kg



### SAPPHIRE® ULTRA

High Performance, Extreme Pressure (EP) PFPE Lubricant. Designed for use on anti-friction and plain bearings, small gears, slides, pins, valves, plungers and screws.

- ▶ Non-toxic lubricant with extremely high oxidation and thermal resistance
- ▶ Resistant to a wide range of chemicals
- ▶ Highly resistant to water and steam
- ▶ Exceptionally long service life providing extended lubrication intervals, reducing downtime and labour costs

TEMP RANGE  
-25°C to +280°C

Part Code	Size
12339	900g
12340	700g



### SAPPHIRE® UNILUBE

High performance lithium soap complex technology bearing grease with EP additives, including PTFE. Lubricates and protects of all types of ball, roller and plain bearings.

- ▶ Outstanding EP and high-speed performance on loads of 560kg
- ▶ Highly resistant to oxidation with extended lubrication intervals reducing frequency of applications and equipment failure
- ▶ Excellent corrosion resistance to protect in humid, damp and even wet conditions
- ▶ Superior to standard soap thickened lubricants
- ▶ Filled with SAPPHIRE Advance, it reduces manual labour and is ideal for hard to reach areas

TEMP RANGE  
-30°C to +160°C

Part Code	Size
13012	125ml



### SAPPHIRE® AUTOLUBE

High performance bearing grease designed for the effective lubrication and protection of all types of ball, roller and plain bearings.

- ▶ Lithium complex soap technology and EP additives superior to standard soap-thickened lubricants
- ▶ Resistance to oxidation over extended intervals, reducing lubricant usage and equipment failure
- ▶ Excellent corrosion resistance in humid, damp or wet conditions
- ▶ Extreme low coefficient of friction reduces stick-slip on start-up and smooth controlled movement

TEMP RANGE  
-30°C to +160°C

Part Code	Size
12604	120ml
12600*	120ml

\*refill only





## Chain Lubricants

Lubrication of your machine chains reduces the wear between the pins and bushings in the chain joints and protects against contaminants that can impact operating efficiency.

ROCOL® offers a comprehensive range of lubricants designed to penetrate chain links and pins in multiple environments rapidly.

Whatever your type of drive or conveyor chain, ROCOL® has a product to ensure trouble-free operation, cutting productivity loss and the cost of downtime.



This selection chart has been designed to help you choose the correct chain lubricant for your application.



### CHAIN & DRIVE Fluid / Spray

High-performance EP chain and conveyor lubricant with a unique formula ensuring maximum performance for penetration, lubrication and corrosion protection.

- ▶ Provides excellent penetration into chain links and pins
- ▶ Highly tenacious water-resistant film to dewater and protect all types of chains in wet or humid conditions
- ▶ Offers excellent corrosion protection on chains in hostile environments
- ▶ Great adhesion reducing drips and fling-off

TEMP RANGE  
-15°C to +150°C

Part Code	Size
22001	300ml
22306	5l
22309	20l



### CHAINGUARD Hi-Load Spray

High-performance chain and conveyor lubricant with MoS2. Designed to ensure maximum performance for penetration, lubrication and corrosion protection.

- ▶ Provides excellent penetration into chain links and pins
- ▶ Highly tenacious water-resistant film to dewater and protect chains in wet or humid environments; and can be applied to chains already damp
- ▶ Offers excellent corrosion protection on chains in hostile environments
- ▶ Great adhesion reducing drips and throw-off

TEMP RANGE  
-50°C to +120°C

Part Code	Size
22141	300ml





### CHAINGUARD 230

High-temperature chain and conveyor lubricant for all drive and transport chains and bearings working in conditions up to 230°C. Specifically formulated with synthetic esters and antioxidants to ensure high performance.

- ▶ Excellent anti-wear properties at high temperatures for longer chain life and reduced wear
- ▶ Excellent frictional properties reducing power consumption on chain drive units
- ▶ High thermal stability and low evaporation loss
- ▶ Minimal deposit formation with no hard carbon
- ▶ Low fuming provides a clean and safe working environment

Part Code	Size
22255	5L
22265	20L

TEMP RANGE  
**+10°C to +230°C**



### CHAINGUARD 280

High-temperature chain and conveyor lubricant for all drive and transport chains working in conditions up to 280°C. Specifically formulated with synthetic esters and antioxidants for optimum performance through thermal stability, low evaporation loss and minimal deposit formation.

- ▶ Excellent anti-wear properties at high temperatures for longer chain life and reduced wear
- ▶ Excellent frictional properties reducing power consumption on chain drive units
- ▶ Keeps oil-ways clear for more efficient lubrication
- ▶ Penetrates links and pins lubricating in the highest potential wear areas
- ▶ Low fuming provides a clean and safe working environment

Part Code	Size
22235	5L
22236	20L

TEMP RANGE  
**0°C to +280°C**



### CHAINGUARD 550

High-temperature, graphite-based dry film chain lubricant specifically formulated for use in ovens where conditions reach up to 550°C.

- ▶ Excellent EP and anti-wear properties at high temperatures for longer chain life and reduced wear
- ▶ Low fuming provides a clean and safe working environment
- ▶ Attracts no dust or dirt when operating as a dry film above 180°C
- ▶ Dry film coating reduces potential contamination common with wet chain lubricants
- ▶ Evaporates cleanly as oven reaches full operating temperature leaving no carbonised residue

Part Code	Size
22076	5L
22075	20L

TEMP RANGE  
**+10°C to +550°C**



Images shown are a representation of each product. See part codes for range of each product.

An automotive manufacturer was experiencing downtime caused by carbonisation of a competitor's chain lubricant within an oven paint booth, which was further leading to issues of rejection of finished components. ROCOL<sup>®</sup> proposed CHAINGUARD 230, a 100% ester-based chain oil that operates at temperatures up to +230°C without forming hard carbon deposits. The result? No carbonisation, reduced lubricant consumption and an increase in reliability of the line, significantly reducing the overall cost of ownership.





## Gear Oil / Open Gear Lubricants

The majority of wear in a gearbox occurs on start-up.

The ROCOL® range in gear oil lubricants offers immediate protection to the gearbox by ensuring the oil remains on the gear teeth even after prolonged shutdown, making start-up simple and extending gearbox life as part of a planned maintenance schedule.

### SAPPHIRE® HI-TORQUE

High-performance, semi-synthetic gearbox fluids formulated with SUPS to provide maximum protection with all types of gearboxes.

- ▶ Reduces wear to significantly extend gear box life
- ▶ Contains unique SUPS technology to protect gear teeth on start-up
- ▶ Offers high performance even under extreme pressure
- ▶ Decreases oil change frequency reducing total cost of ownership

#### Hi-Torque 150

Part Code	Size
21055	20L
21059	200L

#### Hi-Torque 320

Part Code	Size
21025	20L
21029	200L

#### Hi-Torque 220

Part Code	Size
21015	20L
21019	200L

#### Hi-Torque 460

Part Code	Size
21035	20L

#### Hi-Torque 680

Part Code	Size
21045	20L

#### TEMP RANGE

-20°C to +120°C



### TUFGEAR Universal / Spray

Heavy-duty open gear grease containing a blend of high load carrying solids designed to lubricate and protect gears used in extreme environments.

- ▶ Non-melting grease containing a blend of high load carrying solids
- ▶ Combination of high load carrying solids boosts the heavy-duty performance particularly in highly loaded applications
- ▶ Demonstrates outstanding EP performance with a weld load of 800 kg
- ▶ Excellent corrosion resistance to protect in humid, damp or wet conditions

#### TEMP RANGE

-10°C to +120°C

Part Code	Size
18105	400ml
18302	400g
18305	5kg
18304	18kg



### TUFLUBE Allweather

Heavy-duty jacking and open gear grease, bitumen and solvent-free with unique additives to protect metal wear

- ▶ Physical and chemical protection against pitting and corrosion
- ▶ Blend of Hi-Tac boosters ensures staying power even when submerged
- ▶ Tough, tenacious, self-repairing film which lubricates longer than conventional lubricants
- ▶ Ideal for use in the most extreme global climates
- ▶ Apply by hand or automatic pumping equipment

#### TEMP RANGE

-30°C to +70°C

Part Code	Size
18271	400g
18276	5kg
18244	18kg



### ASO Oil Reinforcement

Molybdenum Disulphide oil reinforcement for non-EP mineral oils.

- ▶ Excellent additive for mineral oils already used in gearboxes, bearings, compressors and electrical switch-gear
- ▶ Increases load carrying and wear resistance properties with protection from initial start-up
- ▶ Does not affect the viscosity of base oil with only 5-10% dilution required
- ▶ Suitable for use with all types of mineral oil

Part Code	Size
16016	5L



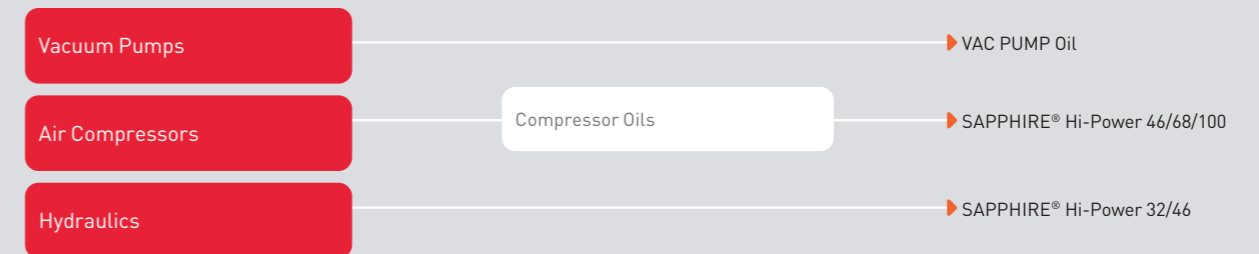


## Compressor and Hydraulic oils

ROCOL® manufactures a comprehensive range of compressor and hydraulic oils designed to extend machine service life, reducing the maintenance time and costs.



This selection chart has been designed to help you choose the correct compressor or hydraulic oil for your application.



If you require help selecting a product, contact ROCOL® on: **+44 (0) 113 232 2600**



### SAPPHIRE® HI-POWER

A range of hydraulic, compressor and airline oils, designed to maximise power transfer whilst lubricating and dissipating heat to protect machinery and extend equipment life.

- ▶ Reduces material wear to significantly extend component life
- ▶ High thermal stability increases oil change intervals and prevents sludge formation
- ▶ Low carry-over system eases air and oil separation, ensuring clean air and maximum power transfer
- ▶ Available in a range of viscosities for all pneumatic and hydraulic applications

### VAC PUMP OIL

High-performance food-grade lubricant designed to extend the life of vac pumps. NSF H1 registered and ISO 21469 certified.

- ▶ Suitable for high load and high-pressure conditions
- ▶ Clean and low odour
- ▶ Low deposit formation
- ▶ Prevents corrosion from moisture ingress
- ▶ Ideal for use as a gearbox flushing oil

TEMP RANGE  
-5°C to +130°C

Part Code	Size
16806	5l
16805	20l



#### Hi-Power 32

Part Code	Size
52545	20l
52549	200l

#### Hi-Power 46

Part Code	Size
52555	20l
52559	200l

#### Hi-Power 68

Part Code	Size
52565	20l
52569	200l

#### Hi-Power 100

Part Code	Size
52575	20l
52579	200l

TEMP RANGE  
-20°C to +120°C





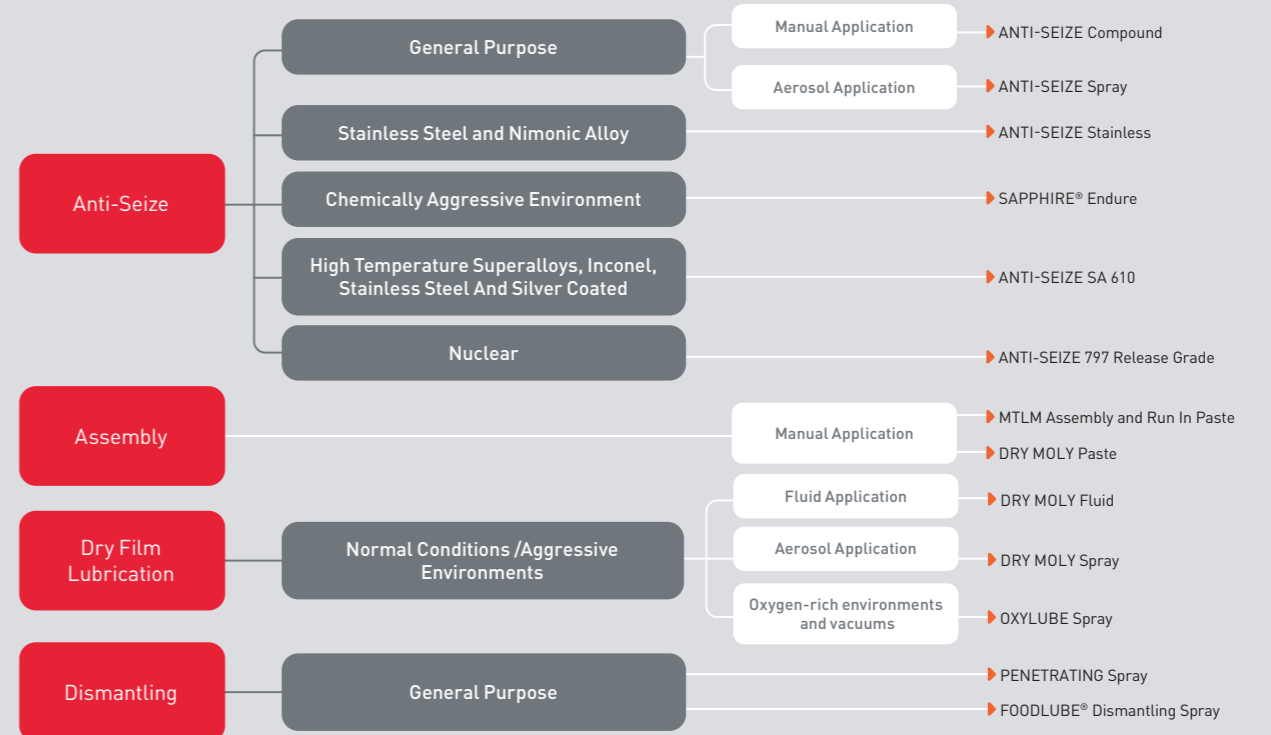
## Anti-Seize and Assembly

Seizure of fasteners presents a major inconvenience in many repair and maintenance situations, adding to the time and cost of the job.

ROCOL® provides a range of premium quality anti-seize products that protect fasteners against wet, dirty and hot conditions, as well as chemical attacks, easing future dismantling and reducing downtime.

Each product comes with either a complete or almost dry thin MoS<sub>2</sub> (moly) film, ideal for high loads or areas where conventional lubricants are inappropriate or fail.

This selection chart has been designed to help you choose the correct Anti-Seize and Assembly oil for your application.



### STATIC SYSTEMS

are those where minimal external motion takes place.

During assembly, anti-seize lubrication helps prevent parts such as bolts, fasteners, gaskets and flanges used within static systems from tightening or coming loose.

ROCOL Anti-Seize solutions for static systems include:

- ▶ ANTI-SEIZE Compound
- ▶ ANTI-SEIZE Spray
- ▶ ANTI-SEIZE Stainless
- ▶ ANTI-SEIZE 797 Release Grade
- ▶ ANTI-SEIZE SA 610
- ▶ SAPPHIRE® Endure

### DYNAMIC SYSTEMS

experience more surface motion.

Using an assembly lubricant reduces friction and wear in service and aids the disassembly of interference fits, splines and couplings.

ROCOL Anti-Seize solutions for dynamic systems include:

- ▶ DRY MOLY Fluid
- ▶ DRY MOLY Spray
- ▶ DRY MOLY Paste
- ▶ MTLM Assembly and Run In Paste
- ▶ OXYLUBE Spray

### ANTI-SEIZE Compound / Spray

Copper-based, lead-free anti-seize spray with aluminium for general purpose use and at extremely high temperatures.

- ▶ Prevents seizure, galling and corrosion
- ▶ Coefficient of friction 0.15
- ▶ Excellent water resistance in saltwater and when submerged

TEMP RANGE

-10°C to +1100°C

Part Code	Size
14030	85g
14033	500g
14035	6kg
14038	18kg



### ANTI-SEIZE 797 Release Grade

Nickel-based, nuclear grade anti-seize paste effective at high temperatures.

- ▶ Optimised for high-temperature alloys – stainless steel, Inconel, Ag-plated
- ▶ Protects against wet conditions and chemical attack
- ▶ Provides even torque and prevents galling and pick-up on assembly

TEMP RANGE

+40°C to +1000°C

Part Code	Size
16403	500g



### PENETRATING Spray

Extreme performance release spray, reinforced with molybdenum disulphide to aid dismantling.

- ▶ A powerful jet application for fast-acting penetration
- ▶ Provides efficient loosening of seizures due to rust scale, dirt or grime
- ▶ Effective even after long periods of seizure
- ▶ Includes a light residual film to prevent long-term corrosion

Part Code	Size
14021	300ml



### MTLM Assembly and Run in Paste

High-content molybdenum disulphide paste, easing assembly and protecting against seizure during critical start-up and running-in periods.

- ▶ Excellent lubrication for precision and interference fit parts
- ▶ Prevents galling, pick up and seizure on assembly and during initial running-in
- ▶ Designed to lubricate valves and slow-moving parts under high loads

TEMP RANGE

-50°C to +450°C

Part Code	Size
10050	100g
10056	750g
10057	18kg



### ANTI-SEIZE SA 610

An anti-seize paste optimised for high temperature superalloys, Inconel, stainless steel and silver coated fasteners, particularly for fasteners used in high temperature power generation and aerospace systems.

- ▶ Provides controlled friction on assembly, enabling precise tensioning.
- ▶ Protects fastener surfaces from galling and seizure, providing controlled release.
- ▶ Does not contain metal powders or calcium, and has extremely low sulphur and chlorine levels.

TEMP RANGE

+40°C to +1000°C

Part Code	Size
14153	500g



### ANTI-SEIZE Stainless

Non-metal anti-seize paste designed for stainless steel and at high temperatures.

- ▶ Optimised for high-temperature alloys – stainless steel, Inconel, Ag-plated
- ▶ Protects against wet conditions and chemical attack
- ▶ Provides even torque and prevents galling and pick-up on assembly

TEMP RANGE

+40°C to +1000°C

Part Code	Size
14143	500g



### OXYLUBE Spray

Inorganic dry film molybdenum disulphide coating in aerosol form.

- ▶ Resin-bonded, suitable for oxygen and vacuum environments
- ▶ Prevents galling, pick up and seizure
- ▶ Resistant to high loads (up to 7,000 kg/cm<sup>2</sup>)
- ▶ Suitable for precision and fine threaded components

TEMP RANGE

-200°C to +450°C

Part Code	Size
10125	400ml



### DRY MOLY Paste / Fluid / Spray

Molybdenum disulphide film designed to lubricate sliding mechanisms - plain bearings, pins, cams and slides - where a wet lubricant cannot be tolerated.

- ▶ Dry film lubrication protects against contaminants
- ▶ Prevents galling, pick up and seizure
- ▶ Resistant to high loads (up to 7,000 kg/cm<sup>2</sup>)
- ▶ Excellent wear resistance (high molybdenum disulphide content)

TEMP RANGE

-50°C to +450°C

Part Code	Size
<b>Spray</b>	
10025	400ml
<b>Paste</b>	
10040	100g
10046	750g
<b>Fluid</b>	
10205	5l



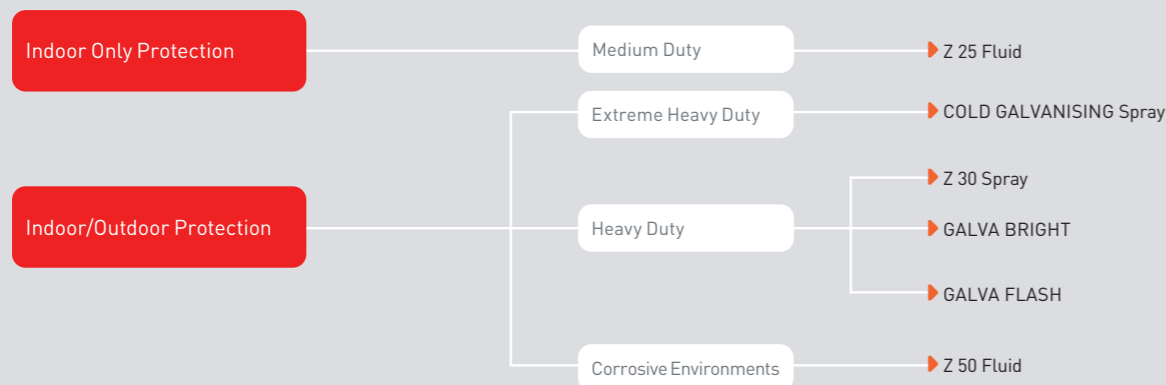


## Corrosion Protection

Damage caused by corrosion can lead to repair work and extended periods of downtime.

ROCOL® corrosion preventatives protect metal components, extending their working life by reducing the need for costly repairs.

This selection chart has been designed to help you choose the correct Corrosion Protection oil for your application.



### Z 25 Fluid

Light-to-medium duty, multi-purpose oil ideal for light lubrication of chains, hinges, linkages and pins.

- ▶ High-performance oily film protects against corrosion for up to 1 year on a wide range of components
- ▶ Exhibits good penetration for complete de-watering and protection of intricate components
- ▶ Specially formulated to clean and preserve oil contaminated parts

TEMP RANGE	Part Code	Size
-20°C to +110°C	37118	20l



### Z 30 Fluid / Spray

Specialist formula silicone and chlorine-free film ideal for long-term outdoor corrosion protection.

- ▶ Heavy-duty oil providing excellent corrosion protection outdoors for up to 2 years
- ▶ Good de-watering properties and penetration
- ▶ Ideal for protection of exposed metal parts

TEMP RANGE
-20°C to +110°C

Part Code	Size
37020	300ml
37022	5l
37028	20l



### Z 50 Fluid

Water extendible specialist formula pipeline corrosion inhibitor designed to protect the internal surface of coiled tubing against corrosion and pitting.

- ▶ Effectively neutralizes organic and inorganic acids
- ▶ Provides excellent residual corrosion protection, extending tube life and reducing failure
- ▶ Easy to apply with no additional equipment required
- ▶ Readily biodegradable (→60 %) by the OECD method

TEMP RANGE
-20°C to +110°C

Part Code	Size
37049	200l



### COLD GALVANISING Spray

Heavy-duty spray offering optimum galvanic protection.

- ▶ 92% zinc-rich dry film coating
- ▶ Cathodic mechanism resealing surface
- ▶ Non-toxic formulation free of lead and chromate

TEMP RANGE
-30°C to +450°C

Part Code	Size
69515	400ml



If you require help selecting a product, contact ROCOL® on: **+44 (0) 113 232 2600**



### GALVA Bright

Triple-protection, water-resistant, cold galvanising spray for long-term protection against corrosion.

- ▶ High-performance coating or primer with pure zinc, aluminium, synthetic resins and additives
- ▶ Excellent adherence on galvanised metal surfaces
- ▶ Repairs galvanised components damaged by welding or other mechanical operations
- ▶ Non-toxic formulation free of lead and chromate

TEMP RANGE
-30°C to +450°C

Part Code	Size
69523	500ml



### GALVA Flash

Triple-protection, cold galvanising spray to combat peeling, flaking and fading.

- ▶ Unique combination of flexibility and strength provides excellent long term corrosion protection for ferrous metals
- ▶ High performance coating-contains pure zinc, aluminium, synthetic resins and additives
- ▶ Durable, hydrophobic film-repels water
- ▶ Non-toxic formulation free of lead and chromate

TEMP RANGE
-30°C to +450°C

Part Code	Size
69522	500ml





## Industrial Cleaners

Effective cleaning is an essential part of all maintenance tasks.

ROCOL® provides a range of cleaners designed to meet the requirements of all jobs, helping you maintain your machines effectively.

This selection chart has been designed to help you choose the correct Industrial Cleaner for your application.



### SCRUBS

Premium, heavy-duty cleaning towels with a tough texture and citrus-based formula to loosen, dissolve and absorb dirt and grease from hands.

- ▶ Works fast on dirt, oil, grease, tar, inks, dyes, paints, epoxies, sealant, urethanes and adhesives
- ▶ Textured on one side for heavy-duty cleaning
- ▶ Quick one-step cleaning process without transferring soil back onto hands
- ▶ Removes the heaviest of contaminants with conditioner to soften the skin
- ▶ Supplied in tough buckets, durable while light & portable

Part Code	Size
42272	72 wipe pack



Remove stubborn marks caused by oil, grease, paint, ink, silicone and adhesives from your hands or surfaces in seconds.



### HEAVY DUTY CLEANER Spray

High performance, water-dispersible, heavy-duty cleaning fluid.

- ▶ Penetrates and loosens workplace grime, grease and dirt
- ▶ Emulsifies oil and grease to allow removal by hosing or wiping
- ▶ Safe on metal, paint and most plastics
- ▶ Free from chlorinated solvents
- ▶ Ideal for Industrial machinery, flooring, concrete and paving
- ▶ Easily washed or hosed off with water

Part Code	Size
34011	300ml



### INDUSTRIAL CLEANER RAPID DRY Spray

Food grade, quick-drying multi-purpose cleaner.

- ▶ Dries rapidly without leaving a residue
- ▶ Includes specially formulated blend of degreasing solvents
- ▶ Effectively removes grease, oil and workshop grime from all surfaces
- ▶ Safe on metal, most plastics and paints
- ▶ NSF K1 Registered

Part Code	Size
34131	300ml



### STAINLESS STEEL CLEANER Spray

High-performance stainless steel cleaner in aerosol form.

- ▶ Effective metal surface cleaner ideal for use on stainless steel
- ▶ Leaves a clean, smear-free, polished surface
- ▶ Suitable for cleaning stainless steel panels found in the food, pharmaceutical, and other clean industries

Part Code	Size
34161	400ml



### FOAM CLEANER Spray

Powerful, solvent-free, fast-acting foaming cleaner, safe to use in food production.

- ▶ Cuts through grease, dirt and grime quickly
- ▶ Active foaming - expands to cover larger areas
- ▶ Ideal for non-porous surfaces
- ▶ Safe for use on most plastics, rubbers and painted surfaces
- ▶ NSF A1 Registered

Part Code	Size
34141	400ml



### ELECTRA CLEAN SPRAY

Powerful, ultra-fast drying electrical contact, equipment and component cleaner.

- ▶ Effectively degreases and cleans electrical switches and switchgear
- ▶ Rapid evaporation to leave no residue
- ▶ Removes light to medium grease and oil contamination
- ▶ Compatible with most plastics
- ▶ NSF K2 Registered

Part Code	Size
34066	300ml



### REMOVER AND DEGREASER

Heavy-duty, multi-purpose citrus-based label remover.

- ▶ Powerful and fast-acting to remove labels quickly
- ▶ Pleasant characteristic odour
- ▶ Safe on metal, most plastics and painted surfaces
- ▶ NSF C1 Registered

Part Code	Size
34151	300ml



ROCOL® is the first lubricant and maintenance product manufacturer to achieve The Vegan Society certification.



Scan the QR code to find out more

If you require help selecting a product, contact Rocol® on: **+44 (0) 113 232 2600**





## Multi-purpose Maintenance Products

This selection chart has been designed to help you choose the correct Multi-purpose Maintenance Product for your application.



### WD Spray

Multi-purpose penetrating, lubricating and water-displacing spray.

- ▶ Excellent penetration and efficient loosening of rust, scale, grease, dirt and grime
- ▶ Powerful jet application to mechanically penetrate rust and debris
- ▶ Displaces water – ideal for drying out engine ignition systems
- ▶ Fast-acting formula provides a light anti-corrosive protective film for immediately on application

Part Code	Size
34271	300ml



### DRY PTFE Spray

Food grade, premium performance, invisible dry film lubricant. Low friction, non-stick, PTFE lubricant for the dry lubrication of cams, slides, open bearings, chutes and shears.

- ▶ Non-staining film reducing machine friction
- ▶ High percentage PTFE content actively reduces waste
- ▶ For use where a wet film cannot be tolerated
- ▶ NSF H1 Registered

TEMP RANGE
-200°C to +270°C

Part Code	Size
34235	400ml



### PRECISION SILICONE Spray

Food grade, high performance, silicone aerosol lubricating film with wide temperature stability for use on slides, chutes, bearings and conveyors.

- ▶ Long-lasting formulation with active ingredient to significantly reduce waste
- ▶ Resists oxidation and corrosion
- ▶ Non-toxic, clean and colour-free
- ▶ NSF H1 Registered. ISO 21469 Certified

TEMP RANGE
-50°C to +200°C

Part Code	Size
34035	400ml



### SAPPHIRE® Precision Lube Spray

High-performance, long-lasting colourless maintenance lubricant with PTFE.

- ▶ Outstanding high load EP performance with a weld load of 315 kg
- ▶ Ultra high-performance universal maintenance film for extended lubrication intervals
- ▶ Contains PTFE reducing the friction in the application

TEMP RANGE	Part Code	Size
-55°C to +250°C	34341	400ml

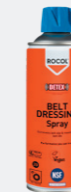


### BELT DRESSING Spray

Conditioning spray suitable for most belt drives.

- ▶ Provides instant grip to prevent belt squeal, slippage and wear
- ▶ Prevents belts from drying out and cracking to extend belt life
- ▶ Outstanding protection in both damp and hot/dry environments
- ▶ DETEX metal detectable cap and actuator reduce risk of plastic contamination
- ▶ HALAL and Kosher Certified

Part Code	Size
34295	300ml



### METAL REPAIR Compound

Solvent-free, Epoxy putty containing non-rusting metallic fillers

- ▶ Quick to set with 4 minute cure time and full use after just 1 hour
- ▶ Binds to a wide range of substrates: metal, glass, ceramic, concrete, fibreglass and wood
- ▶ Eliminates the need for welding and brazing
- ▶ Can be applied underwater
- ▶ Permanent strength up to 23MPa

TEMP RANGE
up to +150°C

Part Code	Size
64012	56g



### SAPPHIRE® Spray Grease

Multi-purpose EP grease fortified with PTFE in an easy-to-apply aerosol.

- ▶ Provides excellent protection for components at low temperatures and in extreme sub-zero conditions
- ▶ Lithium complex soap technology with EP additives for outstanding high load performance
- ▶ PTFE reduces friction and stick-slip on start-up through more controlled movement
- ▶ Fully synthetic base oil leaves minimal residues even at elevated temperatures
- ▶ Highly resistant to oxidation over extended intervals to reduce lubricant usage and equipment failure
- ▶ Excellent corrosion resistance in humid, damp or wet conditions

TEMP RANGE
-50°C to +200°C

Part Code	Size
34305	400ml



## ROCOLCARE®

### OUR HISTORY

Established in 1878, ROCOL® has become a market leader in the development of high-performing chemicals and lubricants, by understanding the complex needs of the industrial, clean and safety markets. Our comprehensive range includes high performance lubricants, cutting fluids, line marking and anti-slip systems. Operating to internationally recognised standards in quality, environment, and safety, ROCOL is proud of its commitment to the continual engagement and development of staff and its Investors in People accreditation.

### OUR PRODUCTS

ROCOL® holds many patented trademark brands within the food and industrial manufacturing markets; brands such as FOODLUBE®, DETEX™, SAPPHIRE® and FLO-LINE® that help a facility to operate safely, without sacrificing performance. Our portfolio features a wide range of lubricants developed to answer the specific needs of the most demanding applications in the markets we

serve. Comprising of premium grade base oils, including synthetics, renewable oils and silicones, these lubricants are treated with the most effective additives to address the performance and application needs of today's varied industry-specific manufacturing processes. With higher load carrying capability, superior resistance to water washout, lower flammability ratings and greater temperature ranges, our products are designed to preserve and protect against costly breakdowns and ensure maximum performance.

### QUALITY

From product concept and design to technical expertise and customer services, all functions at ROCOL are carefully controlled within our AS EN 9100:2018 and ISO 9001:2015 accredited Quality Management System to ensure we continue delivering products that exceed your expectations.



Use your phone camera to scan the QR code to find out more

## What is ROCOLCARE®

- ▶ **Full Audit Compliance** – ROCOL® is BS EN 9100:2018 and ISO9001:2015 accredited, providing our customers with the assurance all ROCOL products are formulated, manufactured, and supplied safely using processes that adhere to rigorous quality standards recognised on a local and international scale.
- ▶ **Increased Efficiency** - Increases lubricant efficiency, improvements in plant productivity and a reduction in costs.
- ▶ **Risk Reduction** - Establishes all your lubricant requirements and ensures contamination-free lubrication.
- ▶ **Rationalisation** - Rationalises your lubricant usage and reduces your stock holding on-site.
- ▶ **Training** – Best practice lubrication training is available. ROCOLCARE® is the premium service package for food, clean and industrial markets offering many features and benefits.



### ROCOLCARE® CUSTOMERS – WHAT TO EXPECT

- ▶ **Enjoy peace of mind** – Assurance that you and the lubrication experts are working together in partnership.
- ▶ **Achieve operational excellence** – Efficiencies are increased through the ROCOL preventative and proactive approach to lubrication management.
- ▶ **Assurance of full traceability** – All ROCOL products are developed, manufactured, passed through a stringent QC process and dispatched from our UK manufacturing site.



## ROCOLCARE® training

### APPLICATION-FOCUSED TRAINING

The scale of UK manufacturing is vast. In the industrial sector alone, multiple types of machinery are put through their paces every day under conditions that differ from one discipline to the next. This means the maintenance requirements for each piece of equipment can also vary dramatically, depending on their use. When it comes to keeping your processing equipment in peak condition, a 'one size fits all' approach is not good enough. ROCOL® recognises the need to support engineering managers with added value through support mechanisms tailored to the products and services in their industry niche.

### A BESPOKE APPROACH

Each sub-segment within the manufacturing space has equipment, processes, regulations and unique requirements. It's no surprise, then, engineering managers find it challenging to identify only those maintenance products amid the thousands available suited to their niche market. And, once they do uncover any relevant products, all too often the manufacturer focuses its product training on the lubricant's performance rather than its application.

### OPERATOR TRAINING

ROCOL training for machine operators is delivered from our head office in Leeds or at your premises. The team at ROCOL helps your staff with multi-level training and support, from fundamentals such as "The Essential Principles of Lubrication" to advanced "Train the Trainer" courses designed to upskill your staff with the technical knowledge to conduct your training sessions in-house.

### ONLINE TRAINING

At ROCOL, we're making it even easier for manufacturing and processing teams to improve efficiency and reduce down-time across their production facilities by introducing our brand new online training. ROCOL Online Training is designed for all operators and maintenance engineers involved in equipment maintenance – whether you're new in the role or a seasoned engineer wanting to refresh your knowledge.

### TECHNICAL SUPPORT

Our technical support team includes multiple experts such as chemists and professional engineers. With a range of testing equipment, the team at ROCOL is quick to investigate any mechanical failure, providing insight into the root cause before dealing with the identified issues swiftly.



### FIND YOUR NICHE

Comprehensive, application-based training takes customers through a typical factory layout in their sub-sector, considering each major item of equipment used within this environment and providing information and advice on the lubrication relevant to the equipment.

As a leading lubricant manufacturer, our responsibility extends beyond providing your products; it includes training for your operators that considers the equipment, operating conditions and the required registration specific to your industry segment. By highlighting the products most suited to reducing downtime, extending equipment life, and demonstrating application techniques, your team feels empowered to make decisions on products that bring positive results.



### TAKING ADVANTAGE OF TECH

Drawing from our database of Standard Operating Procedures for lubricating major plant items across multiple sectors, our industry-specific lubrication training packages are among the most detailed and comprehensive for the niche they support.

During the current climate, when in-person training is less straightforward and virtual delivery is on the rise, training has become more accessible to larger groups residing in multiple locations. Our team has been making the most of video conferencing to begin delivering application-based training to our specialist distribution partners across the globe. While the feedback from our community has been positive, we are not stopping there, with the next phase – enabling our distribution partners to provide this application-specific training themselves – soon to roll out.

To further support our customers across industry, our training courses are now available online. From courses which cover the general principals of lubrication, to more advanced sub-sector specific courses, each one is accessible at a time that is convenient to the customer.

If you are interested in application-based training, contact our technical team to find out more.  
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