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Lubrication Technology

MOLY-PAUL®
Tribology in Action

METAL

**Maintenance
Lubricants**

INDUSTRIES



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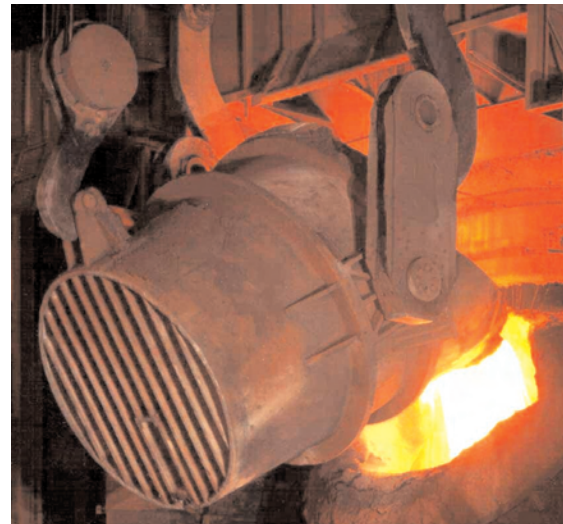
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MOLY-PAUL® AEROSOLS AND SPECIALITY LUBRICANTS FOR THE METAL MANUFACTURING INDUSTRIES

FUCHS LUBRITECH is part of FUCHS PETROLUB A.G. the largest independent manufacturer of lubricants worldwide. The FUCHS group successfully serves a wide range of industries, each with its own individual range of challenges. A wide-range of expertise and knowledge are combined with extensive technical resources to provide solutions to all kinds of lubrication problems. This brochure focuses on the selection of speciality maintenance products created by FUCHS LUBRITECH (UK) LTD for the metal manufacturing industries.



LUBRICANTS FOR THE MAINTENANCE OF HEAVY DUTY EQUIPMENT

The **Moly-Paul® METALS INDUSTRY** maintenance lubricants are high performance products formulated for use during the assembly and 'strip-down' of plant, equipment and associated refractory components exposed to the exacting conditions common to all metal manufacturing activities.



APPLICATION EQUIPMENT

CD ANTI-WEAR SYSTEM

Automatic crane rail and wheel flange lubrication system for the application of **CD HTS COMPOUND** crane rail and wheel flange lubricant. The unit is supplied 'boxed' as a complete system. A modification kit is available for use with the **EASYLUBE 150B** rechargeable units.



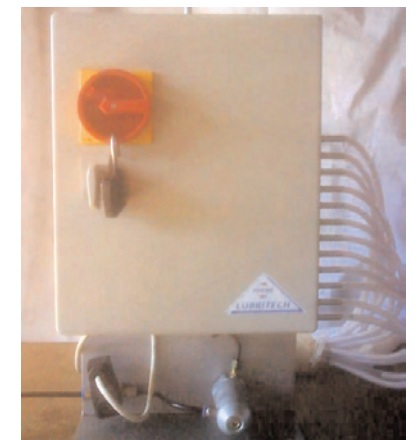
EASYLUBE 150B AUTOMATIC SINGLE POINT LUBRICATORS

Rechargeable 150ml capacity electronically controlled grease feeders. Max pressure 5bar. 1 month to 12 month setting range.



AUTOMATIC MULTI-POINT CARTRIDGE LUBRICATOR

Designed for use with 500ml Reiner type cartridges, this fully automatic 'direct-feed' high pressure (150 Bar) lubrication system provides up to 10 remote lubrication points with lubricant at preset intervals. The system requires a compressed air and 110v to 240v ac/dc power supply. Made to order



REINER DOUBLE and SINGLE LEVER GREASE GUNS

These precision grease guns provide simple, clean and accurate delivery of lubricant through long pipe lines.

Maximum operating pressures
Double Lever Gun: 400 bar
Single Lever Gun: 150 bar

For sole use with Fuchs Reiner 500ml grease cartridges



GRAPHITE IN OIL

MOLY-PAUL 1210

10% colloidal graphite in mineral oil

MOLY-PAUL 1220

20% colloidal graphite in mineral oil

Available in 5kg, 20kg and bulk.

Stable suspensions:

Use neat or add to mineral based fluids, hydrocarbon polymers and alcohols to suit requirements

SPECIAL PRODUCTS

CD HTS COMPOUND

Crane rail and wheel flange lubricant. Synthetic non-melt, low bleed, adhesive compound for use with the **CD ANTI-WEAR** crane rail and wheel flange lubrication system. This highly specialised product contains a metallic additive for the formation of 'wear-reducing' adsorbed metal films on rail sides and wheel flanges.

Available in 500g cartridges

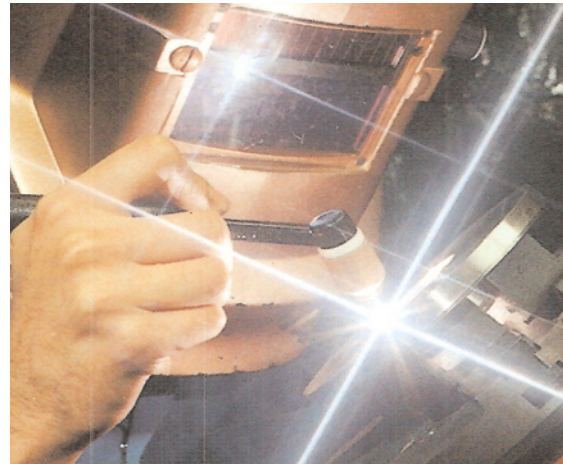


METAL WORKING / WELDING / PROTECTION

ANTI-SPATTER

When spray applied to a surface prior to welding, **ANTI-SPATTER** ensures the easy removal of weld spatter from the surface. The sprayed film is easily removed with a solvent cleaner leaving the surface ready for painting if necessary.

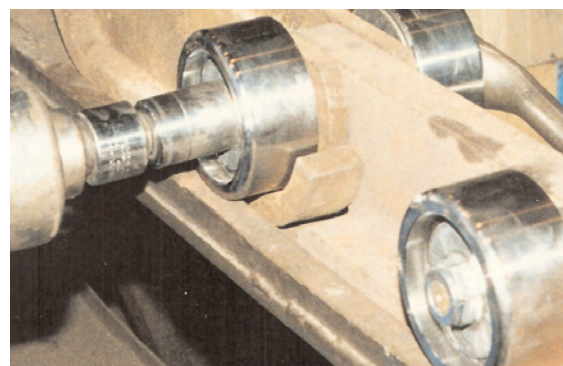
Available in 400 ml aerosols.



AIR TOOL OIL (Food Safe)

A light penetrating 'food safe' synthetic oil for the lubrication of air powered tools and equipment. Ideal for general purpose workshop applications such as cables, chains, linkages, hinges, hand tools, press tool slides and the impregnation of porous sintered metal bushes and bearings.

Available in 4kg and 20kg containers.

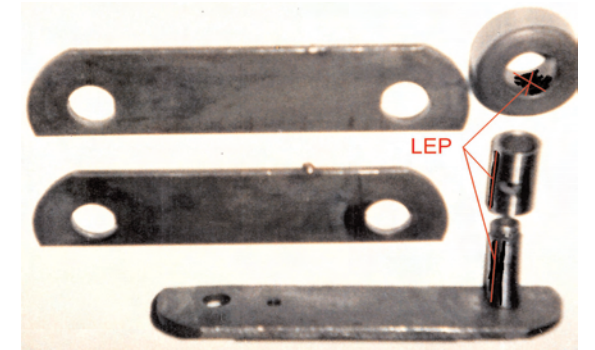


ASSEMBLY PASTES

LOW ENERGY PASTE

ASSEMBLY PASTES prevent seizures. They are invaluable during 'Start-Up' conditions where excessive wear can take place in the equipment. **LOW ENERGY PASTE** will not leave a hard residue when exposed to high temperatures.

Available in 400 ml aerosols, 50gm tubes and 500gm tubs.



PBC-D and PBC-A METALLIC COMPOUNDS

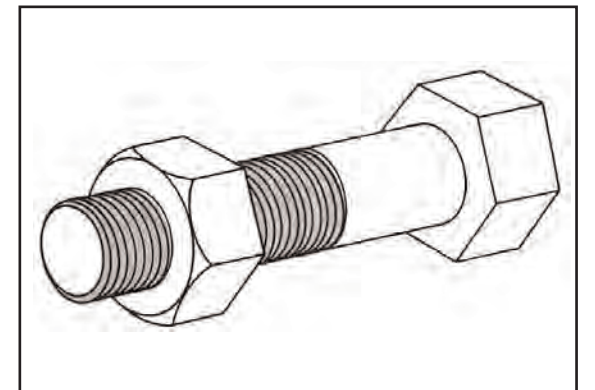
Two non-melt metallic compounds for the prevention of fretting wear which is common in splined shafts and geared couplings. Also effective for the prevention of thread seizures and the corrosion of hinges and linkages exposed to the elements. Operating temperature range: -20°C to +800°C.

PBC-D (Complex compound containing copper with lamellar solid lubricants)

Available in 400 ml aerosols and 500gm tubs.

PBC-A (Copper-free compound with lamellar solid lubricants)

Available in 500gm tubs and 400ml aerosols.



PRF - PENETRATING AND RELEASE OIL

Formulated to penetrate, release and free seized components where its excellent penetrating properties help to loosen rust.

Available in 400 ml aerosols and 500 ml squeeze bottles.

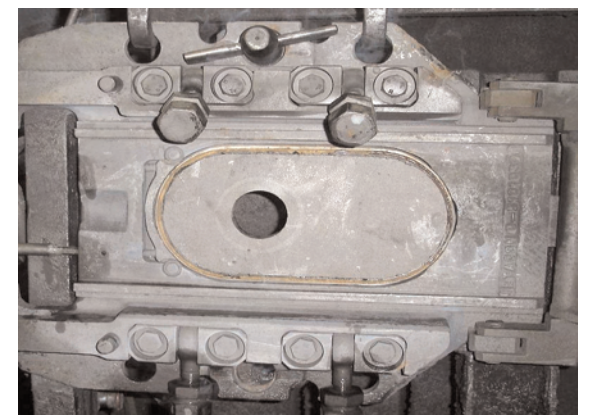


PRIMALIFE G, BONDED DRY FILM LUBRICANT

A bonded graphite dry film coating designed to work under the most severe mechanical and thermal conditions.

PRIMALIFE G is ideal for forge and foundry uses and can be applied to both metallic and refractory surfaces to reduce friction and wear. Can be used in conjunction with fluid lubricants and greases.

Available in 400 ml aerosols.



BEARING GREASES



Sealed-for-life performance is possible in the most demanding conditions of temperature, high load and vibration.

GREASES for PLAIN JOURNAL BEARINGS, LINEAR SLIDING BEARINGS and LOW SPEED HEAVILY LOADED ROLLING ELEMENT BEARINGS

A selection of greases formulated to deal with the arduous conditions imposed by metal manufacturing processes.

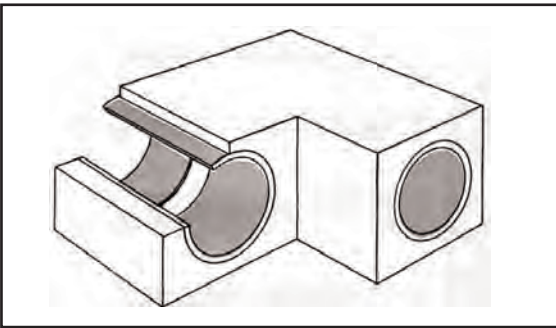
MOLYRACE LT is used where dry running conditions may be encountered.

MOLYRACE HT and **HTO** are used where operating temperatures are above the limits of mineral oil based products.

EASYMESH HTS and **HTSO** are used where intermittent high temperatures and water-wash-out are encountered.

EASYMESH HIGH 'g' is a combined, non-melting† open gear and plain bearing grease for use on pins, bushes, machine lead-screws as well as slow moving, heavily loaded bearings plain and rolling element bearings. Resists 'fling-off' when exposed to high 'g' forces.

CARBAFLO 3701, 4701 and 4701 SF are all high performance FLUOROCARBON PFPE based materials that can be used where other lubricants fail to operate.



Sealed-for-life performance is possible in the most demanding conditions of temperature, high load and vibration.

BEARING GREASES SUMMARY CHART

Product name	Base oil	Thickener	NLGI	Colour	Temperature range in °C
Molyrace LT	Mineral	Lithium soap	2	Black	-30 to 100 Intermittent 130
Molyrace HT Molyrace HTO	Synthetic ester	Clay	2 0	Black Brown	-10 to 180 Intermittent 220
Easymesh HTS Easymesh HTSO	Synthetic ester	Clay	2 0	Red Brown	-10 to 180 Intermittent 220
Easymesh High 'g'	Mineral	Clay	1	Black	-20 to 100 Intermittent 130
Carbaflo 3701	PFPE	PTFE	2	Black	-20 to 260
Carbaflo 4701 Carbaflo 4701 SF	PFPE	Mineral solids	2 0-1	White	-20 to 310

CHAIN, ROPE AND GEAR LUBRICANTS

CHAINLIFE SM SPRAY and CHAINLIFE S

For use on all types of chains (e.g. conveyor chains) **CHAINLIFE SM** spray and **CHAINLIFE S** can be easily applied giving excellent lubricating and penetrating properties. They operate at high temperatures up to 230°C with minimal residue. Available in 400ml aerosols (SM Spray), 1 kilo and 4 kilo containers.



ROPELIFE and ROPELIFE AA

Rope dressings containing a blend of Molybdenum Disulphide and Graphite. Formulated to protect and lubricate wire ropes by penetrating to the core of the rope, leaving a clean, non-drip, corrosion resistant coating.

ROPELIFE is particularly suitable for use on the ropes of stock yard cranes and slag ladle cranes. Ropelife Naval Rate Book No. CED/SPT/211/24/49/11. NATO Stock No. 8030-99-549-0384 Class Group 0474. Available in 400ml aerosols and 3 kilo tins.

ROPELIFE AA is a semi -fluid variant for use with 'muff' type wire rope lubrication equipment.



ROPESHIELD BLACK

Foundry rope dressing for multi-reeving rope systems found on production process cranes such as ladle cranes and charging cranes in steel plants. Ropeshield Black is a highly viscous vegetable emulsion with high purity graphite used as a base-coat for later intermittent lubrication with **ROPESHIELD SILVER**. Resists fire and the accumulation of abrasive dusts. For exclusive use within covered buildings



ROPESHIELD SILVER

Foundry rope dressing for intermittent 'in-service' lubrication of multi-reeving wire rope systems. Applied by brush, mop or back-pack spray unit.

EASY MESH HIGH 'g'

Formulated for use on all Open Gears. **EASYMESH HIGH 'g'** resists 'fling-off' when applied to open gears. It is a highly effective, low friction lubricant for plain journal bearings, spring cup washers and machine slide-ways. Contains Graphite and Molybdenum Disulphide that combat extreme pressure conditions. Available in 400 ml aerosols and 400 gm cartridges. Larger container sizes are available on request.

