

✓MORRIS✓

STEAM LUBRICANTS



T r a d i t i o n i n E x c e l l e n c e s i n c e 1 8 6 9

Morris Lubricants have developed this bespoke product range using expertise acquired from long association with steam heritage workshops. All Morris steam products are formulated and blended with

the consistency, precision and care required to comply with the strict requirements of BS EN ISO9001 2000 and BS EN ISO14001 2004. Whilst all locomotive grades have been specifically formulated to meet the specification requirements of British Rail Schedule Number MT276, more contemporary products have been introduced to suit present day operating conditions on heritage lines. The product range is supported by experienced Technical and Field Sales Teams that can provide advice on grade suitability and trouble shooting.

STEAM CYLINDER OILS

GOLDEN FILM COMPOUND STEAM CYLINDER OIL 460 AND 680

For use in most Locomotives and Stationary engines working with either saturated or superheated steam. They are rapeseed oil free, with a level of compounding that ensures that the oil coats internal surfaces, providing a strong lubricating film where it is needed to protect bores and valves. For use in total loss systems only, these compounded oils are ideally suited for all steam engines working up to pressures in excess of 250 psi.

GOLDEN FILM COMPOUND STEAM CYLINDER OIL T

For use in Locomotives and Stationary engines working with saturated steam and is compounded to provide superior lubrication where very wet steam has to be handled at the cylinders. Suitable for all steam engines working up to pressures of 250 to 260 psi, with typical steam temperatures up to 450°F (230°C). The product is rapeseed oil free, with a higher level of tallow than Mainline 1000. It is further enhanced with inhibitors and tackiness additives to ensure cylinders are corrosion free even after over-wintering. For use in total loss systems only.

GOLDEN FILM MAINLINE 1000 STEAM CYLINDER OIL

Developed specifically for steam engines operating on the national rail network where true superheat conditions are experienced on long hauls. The incorporation of selected additives ensure saturated conditions on start up or after prolonged stationary periods are correctly lubricated.

Locomotives operating under superheat conditions can cause lesser grades to form heavy carbonaceous deposits around piston rings and cylinders. These deposits, which can lead to accelerated wear, are virtually eliminated by the careful selection of base oils, additives and precisely targeted quality control testing. Has a higher level of tallow than the Compound Steam Cylinder Oils. Meets British Railways Board specification No. 665.

GOLDEN FILM STEAM CAR COMPOUND 1000 STEAM CYLINDER OIL

This product has been specifically formulated for use in non-condensing models and with the co-operation of Stanley Steam Car owners. This advanced formulation ensures not only the correct lubrication of cylinders but also good visibility in the 'Winker'. In periods of over-wintering and prolonged downtimes, the product has a proven track record in corrosion protection and free piston movement on start up.

For late model steam cars, **SOVEREIGN 1000** is recommended, particularly where there is condensate recovery.

SOVEREIGN 460, 680 AND 1000 STEAM CYLINDER OILS

A range of non-compounded oils with superior resistance to oxidation and deposit forming characteristics under extreme conditions of temperature and pressure. They separate quickly and cleanly from water and are recommended for all steam engines with condensate recovery devices for boiler or process feed. All Sovereign grades are ideal for steam boats operating under superheat conditions where an oil of this type is specified.



BEARING OILS

GOLDEN FILM 220 AND 460 BEARING OILS

Golden Film Bearing Oils are non-staining, rapeseed oil free lubricants that are truly universal and can be used in applications that have historically required heavily compounded oils or straight oils. They can be used for bearings, gears, slides, and general railway applications as well as for use in older types of railway rolling stock axle boxes with plain bearings. Additionally they are recommended for their ability to flow with worsted wool fibre or cotton wick lubricators often found on traction engines and railway rolling stock.

At higher ambient temperatures Golden Film 460 Bearing Oil is recommended to reduce the rate of lubricant loss.

GOLDEN FILM COMPOUND 220 AND 460 BEARING OILS

Compound Bearing Oils meet the specification requirements of British Rail Schedule Number MT276 for locomotives running on the mainline. They have superior lubricity and wetting power compared to conventional oils and will often maintain a stronger oil film in overload conditions helping to reduce the likelihood of component failure. These products are recommended for all bearings, gears, slides, and general railway applications and have excellent feed characteristics for worsted wool wicks and axle bearing pads.

PRESERVED DIESEL ENGINE OILS

RING FREE XHD 30 AND XHD 40

Heavy-duty monograde diesel engine oils suited to preserved diesel locomotives. The products provide a high level of engine cleanliness and outstanding wear protection.



RING FREE XHD 20W/40R

A zinc free product designed for medium speed railroad diesel engines and complies with the performance levels specified by the Locomotive Maintenance Officers Association (LMOA) for generations 4 and 5. The product also meets the requirements of API CD/CF, Caterpillar 3600 series engines and has been granted a tentative approval for General Electric Generation 4 Long Life, and worthy of Field Trials in EMD.

SPECIALITIES

SENTINEL CRANKCASE OIL

Sentinel Crankcase Oil is recommended solely for use in the sumps of Sentinel Steam Waggons, especially the 'S' Type, where large amounts of water condensate can collect in the crankcase. This product allows the excessive water to separate from the oil and water emulsion formed, enabling it to be drained regularly. The technology provides outstanding resistance to rust, corrosion, wear and oxidation, even in the presence of water. Also suitable for Stanley Steam Cars with wet sumps.

Please note that Sentinel Crankcase Oil should be changed on a regular basis as inevitable cylinder oil contamination reduces its ability to shed water for draining purposes.

LODEXOL SS 80W/140

A quality gear lubricant suited to the lubrication of final drive gears on Stanley Steam Cars running dry sump systems.

Please contact our Technical Services Department for further advice on the selection of the correct steam product or visit our website.



ANCILLIARY PRODUCTS

MAINTENANCE AND TROUBLE SHOOTING PRODUCTS

MD-4

Multi-purpose maintenance aerosol, which lubricates, degreases, cleans, penetrates and dispels moisture.

SOLVENT CLEANER

An aerosol spray recommended for the fast degreasing of components. Designed to leave them chemically clean without smears or corrosive residues.

PRISE

Copper anti-seize spray for assembly and dismantling of threaded connections.

PAVAN

Water-rinsable degreaser for removing the most stubborn grease and grime from vehicles and equipment.

CARB CLEANER

Solvent cleaner to remove dirt and lacquer from: carburettors, fuel injection systems, automatic chokes and throttle linkages.

GOLDEN FILM RUNNING IN OIL

Product designed to reduce the likelihood of bore-glazing and aids the bedding in of mating surfaces in new and rebuilt diesel and petrol engines.

SUPERCLEAN MORENDO DD

Multi-functional diesel fuel additive that will improve ignition quality and injector cleanliness. This product will also enhance the lubricity of low sulphur fuels and protect certain mechanical fuel pumps from accelerated wear through 'drying out'.

GOLDEN FILM FLUSHING OIL

A mineral oil based product enhanced with detergents and dispersant additives to remove sludge and lacquers from dirty engines.

CLEANING

LENTO DISINFECTANT

Powerful disinfectant for agricultural and commercial use with a pleasant lavender fragrance.

LYDIAN DEGREASER

Non-caustic, water-rinsable detergent / solvent degreaser.

TERRALUS VIROCLEAN BIODEGRADABLE CLEANER

Non-toxic, water rinsable detergent / solvent degreaser.



CADENCE TFR

Powerful detergent blend for use in hot or cold pressure washers and steam cleaners for removal of farm dirt and traffic film.

FLOOR DRESSING GRANULES

Porous, inorganic granules for soaking up oil spills.

HYGIENE

BARRIER CREAM

Antiseptic barrier cream to prevent skin infection and irritation.

ABGEL HAND CLEANSER

Beaded gel hand cleanser for the farm and dealer workshops.

MOMENTO

Biodegradable heavy-duty hand cleanser that uses natural solvents derived from citrus fruits to remove a wide range of substances including oil, tar, grease and bitumen.

GREASES

K41EP, K42EP, K43EP

Multi-purpose Greases

NLGI No. 1, 2 & 3

Multi-purpose lithium greases with extreme pressure (EP) properties. Recommended for all general purpose industrial applications including machine tools and bearings.

Temperature Range: -30°C to +130°C

K46, K48

Moly Greases

NLGI No. 1 & No. 2

Lithium soap greases with EP performance enhanced with molybdenum disulphide. Both greases are designed to protect against seizure and heavy shock loads in conditions where ordinary greases would fail. Recommended for use in plain or anti-friction bearings, CV joints and other sliding applications.

Temperature Range: -20°C to +140°C



K383

Anti-seize Compound

NLGI No. 1.5

K383 is a lead free anti-seize compound, made from high quality mineral oils, non soap thickener incorporating copper powder and graphite. Excellent anti-seize properties make it ideal for lubricating brake linkages and it is also recommended as a thread lubricant on studs, pipes, casings and whenever eventual disassembly must proceed smoothly.

Temperature Range: -30°C to +1100°C



K99

Water Resistant Grease

NLGI No. 2

Calcium complex grease with exceptional water resistance and good anti-corrosion properties. Recommended for use as a general purpose grease where bearings may be temporarily immersed in water and there is the possibility of corrosion from salt water or similar contaminants. May also be used in stern tubes.

Temperature Range: -20°C to +110°C

K982 MAGNAPLEX

Open Gear Grease

NLGI No. 0

K982 Magnaplex is an aluminium complex grease specifically formulated for use on open gears. This product has high load carrying and adhesive characteristics, allowing it to be used where exceptionally high loads and slow sliding speeds are encountered.

Temperature Range: -10°C to +180°C



ISSUE 1 **MORRIS**
LUBRICANTS

www.morrislubricants.co.uk

Castle Foregate, Shrewsbury, SY1 2EL Tel: +44 (0) 1743 232200 Fax: +44 (0) 1743 353584

All the products are reflective of the latest specifications at the time of going to press and are part of a continuous development programme. The company reserves the right to change formulation and specification, without prior notice to meet the latest trends and developments in lubricant and grease technology.

For more detailed information on any product and confirmation of the latest specifications contact our Technical Services Department. Full product data sheets and health and safety information is available on request.



Certificate No. EMS 60044

Certificate No. FM 21756

Certificate No. OHS 555083