



Lubricants for the Railroad Industry

Interlube Corporation has been a supplier to the railroad industry since our inception in 1969. Throughout the years we have worked hard to provide quality products, keeping current with the latest technology but still producing products for older model units. This list provides some of our most common products to the railroad industry.

Fluids

Steam Cylinder Oils SR are specially refined lubricating oils compounded with certain high quality fixed oils in ratios appropriate to meet your specific steam cylinder lubrication requirements. No single steam cylinder oil is suited for all-purpose use. **Steam Cylinder Oils SR** are available in a wide range of viscosities and compounding grades to meet the requirements for all degrees of saturation and even superheated steam requirements. For best results, please contact your Interlube sales representative to discuss your specific application, use conditions and requirements.

Journal Guard AYG (ISO 68) not only meets, but substantially exceeds, the AAR specification M-963-84 requirements for all year grade journal oil. Specially formulated with select polymers to improved adhesion to the metal surfaces and resist run-off from journals in stasis, the Journal Guard AYG maintains a protective film on the journal and bearing surfaces to resist rust and corrosion. This helps to extend journal and bearing service life by minimizing surface damage. It is dyed a distinctive red color to aid in identifying and repairing costly leaks. We also have two additional viscosities, the **Journal Guard 1200** (ISO 220) and the **Journal Guard 2400** (ISO 460) designed for warmer climates and/or journals stored for long periods of time.

Journal Oil AYG meets AAR specification M-963-84 for all year grade journal box lubricating oil. It is manufactured with highly refined, high viscosity index base stocks and provides excellent oxidation stability as well as rust and corrosion protection. This product is an ISO 68 for all-year use.

MT Gear Lubricant is a traction motor gear lubricant designed for traction motor gearboxes on railroad diesel engines of all types. It was specially designed to lubricate the higher horsepower output per axle, traction motor drive units, developed by GE and EMD. This formulation is a non-leaded product to avoid the environmental problems associated with handling and disposal of leaded products. Even though it was developed for "newer" traction motor units, the **MT Gear Lubricant** is applicable to all older units, which called for the products that contained leaded EP additives. It incorporates a unique combination of lithium soap thickeners and very heavy, high viscosity, oils and additives. This combination provides long life protection to the gears and resists leakage from the gear case.

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MT Gear Lube 6800 is a high performance, synthetic, heavy duty gear oil, designed for use in all types of enclosed gear boxes, open gears and plain and roller bearings calling for a very high viscosity lubricant. The synthetic base stock of **MT Gear Lube 6800** provides all of the advantages of a synthetic fluid: high viscosity index, low pour point, high flash point, outstanding oxidation stability, and superior performance at high and low temperatures. The high-performance additives in **MT Gear Lube 6800** provide excellent rust and oxidation inhibition, gear scuffing protection and anti-wear performance. Its high viscosity makes **MT Gear Lube 6800** an ideal candidate for slow speed, high load and high temperature applications. It is an excellent lubricant for railroad traction motor drives.

Carbonless Air Compressor Oils are specially designed for reciprocating compressors to eliminate damage that carbon deposits can cause in these air compressors. Most oils will form very hard carbon deposits, which can cause extensive damage and loss of performance. Any trace amount of carbon formed from **Carbonless Air Compressor Oils** is of a very soft fluffy nature and is easily blown away, with the air discharge, leaving no damage to valves or rings, resulting in longer trouble-free operation. They are available in a wide range of viscosities. Most units use the # 30 or # 40 grade but some units with direct injection into the cylinder head use the # 20 grade.

CINCOM 3E Compressor Fluids are unique synthetic compressor fluids formulated with a specially selected blend of esters with other synthetic base oils and additives which gives long service life, incredibly clean surfaces, and markedly reduced wear. It can also be used as a top-up on a number of other fluids like Mineral Oils, Polyalphaolefins (PAOs), Di-Esters, Polyol Esters (POEs), and even some Polyalkylene Glycols (PAGs). Currently available in 5 viscosity grades from ISO 32 to ISO 150, the **CINCOM 3E Compressor Fluids** will give 8000+ hours of service life at air outlet temperatures up to 200°F (93°C) under normal operating conditions. The ISO 68 and ISO 100 options also make excellent vacuum pump oils with minimal deposit formation and excellent anti-wear protection.

Interlube Railroad Diesel Engine Oils are high performance railroad diesel engine oils specially designed for later generation diesel engines. They meet the requirements for Alco, GE and GM-EMD engines and are zinc free to prevent corrosion of silver bearings. They are formulated using high quality, highly refined base stocks and incorporate rust and oxidation inhibitors, anti-wear and anti-foam agents, detergents and dispersants. Interlube has both an **SAE 40** product which meets Generation 4 and 5 engines and an **SAE 20W-40** designed for Generation 7 and below engines. The 20W-40 also has superior low temperature performance for service in more harsh environments. The formulas are also blended to substantially reduce deposit formation by using the most current additive technologies at the optimum levels.

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GREASES

Interlube M-914-S meets the AAR specification M-914 for use as a brake cylinder lubricant. It is approved by WABCO for WABTEC applications and by other manufacturers of railroad equipment for their applications. It meets the old AAR M-914-83 specification, is compatible with it, and exceeds its requirements for low temperature performance and some other areas. It also meets the requirements of the 2003 version of the AAR M-914 specification.

Journal Roller Bearing Grease is designed for use as a long-life option for non-field lubricated journal roller bearing applications. It is a long-life grease which meets AAR M-942-2012 specifications and bearing manufacturers requirements. **Journal Roller Bearing Grease** has high oxidation stability, chemical resistance, water resistance, shear stability and outstanding corrosion resistance.

Super Moly LC-2 Grease is a special moly (molybdenum disulfide), heavy duty, extreme pressure, multi-purpose grease proven to be outstanding for chassis and bearing lubrication in trucks, tractors, automobiles, fifth wheels, and industrial and construction equipment, as well as railroad applications. It is designed to give superior lubrication over a very wide range of conditions. The combined effects of moly and other extreme pressure agents give reduced wear and increased load carrying ability. **Super Moly LC-2 Grease** holds up where conventional multipurpose greases fail.

Automatic Slack Adjuster Grease is designed to lubricate the a mechanical, safety-critical device that automatically maintains optimal clearance between brake shoes and wheels on freight cars by compensating for wear. By adjusting the brake linkage, the automatic slack adjuster ensures consistent, efficient braking and keeps piston travel within AAR (Association of American Railroads) standards without manual intervention. This grease meets and is certified by the AAR to meet the AAR M-949-2002 specification which assures proper lubrication of these components under all conditions from -65°F (-54°C) to 125°F (51.7°C)

Trailer Hitch Grease M-929-04 (Lubricant for Trailer Hitch on Flatcars) (AAR Specification M-929-04) Interlube's Trailer Hitch Grease M-929-04 meets the 2004 specification AAR M-929, Grease for Lubrication of Trailer Hitches on Flat Cars. This product is suitable for lubricating retractable trailer hitches, stanchions, and other jackscrew type or knockdown-type devices used for securing highway trailers to flatcars. It is a molybdenum disulfide containing EP type grease with a very high level of Moly to give a very high load carrying capacity. It also has excellent rust, corrosion, and adhesive capabilities. Interlube's **Trailer Hitch Grease M-929-04** is also suitable for use a fifth wheel grease

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Switch Plate Lube M80B is a unique sprayable or brushable coating specially designed to lubricate switch plates and other railway equipment. It protects them from corrosion and wear and allows for easy movement. It is formulated to penetrate rusty and dirty outer layers, and to carry its protective ingredients to the solid surface. Upon evaporation of the solvent it forms a gel like, semisolid film, which is extremely water resistant and has excellent lubricity. It contains molybdenum disulfide to provide added lubricity and superior load carrying capabilities. It does not become brittle even under wet, dusty, dirty, gritty and abrasive conditions.

CINN-BIO Switch Plate Lubricant L-100 is a biodegradable, eco-friendly, switch plate lube. It contains no hazardous chemicals or chemicals containing volatile organic compounds (VOC). This unique formulation contains additives to enhance the load carrying ability of its base fluid's boundary lubricant properties. It contains a high level of high purity synthetic graphite to provide added lubricity from graphite's superior load carrying capabilities. The unique combination of fluid and solid boundary and EP lubricants allows for easy switch movement and excellent wear protection. The product remains pliable and does not become brittle even under wet, dusty, dirty, hot, gritty and abrasive conditions. It contains no solvents and is designed for low wear and long life. It is an NLGI 0 grade designed for easy pumping and carry down the tracks Interlube's **CINN-BIO Switch Plate Lubricant L-100** remains pliable over a wide temperature range and does not become brittle even under wet, dusty, frigid, dirty, hot, gritty and abrasive conditions.

CINN-BIO Rail Curve Grease L-100 is also a biodegradable, eco-friendly product designed for lubricating rail curves to overcome the additional loading from the angular momentum of a locomotive traveling along curves. It contains no solvents and is based on a vegetable oil base with lithium thickener and a pure synthetic graphite for enhanced load carrying. It pumps easily, even in the most harsh conditions, and provides excellent wear and shock-load protection.

B-10 Block Grease is a solid lubricant for economical and highly efficient lubrication of side rods and journals of old steam engines. It was formulated for the lubrication of open bearings that are subject to heavy weight pressures and high temperature conditions of conducted heat from outside sources. **B-10 Block Grease** is available in 22-pound blocks with dimensions of approximately 15"X12"X6".

SPECIALTY PRODUCTS

MOLY DRY Dry Moly Aerosol is a dry film lubricant without harmful chlorinated solvents which provides excellent pressure and temperature resistance. Formulated with Molybdenum and graphite anti-seize dry coating to resist dust and abrasive particles. It withstands water, oil, alkalis and most acids. The **Moly Dry Aerosol** is also quick drying to prevent run off and allows for use immediately after application.

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Dry Graphite Aerosol Lubricant is the best performing graphite aerosol product on the market. It has superior graphite content, is quick drying, and has a safe (benign) carrier. It carries the AAR M-971-73 certification and is used by most of the major rail and rail contractors in North America. It can be used on auto-track equipment chains, tracks, tie-downs, chocks, hinges, switches, couplings, internal combustion engine components, automotive and industrial gaskets, thread lubricants, and all other metal-to-metal wear points.

Dry Graphite Fluid Lubricant is a liquid form of the lubricant used in the aerosol version. It can be used in automatic lubricators or added to a sprayer (compressed air distribution units) as a cost savings option. It affords the same superior protection in a bulk form and eliminates costly aerosol cans at the jobsite. It also carries the AAR M-971-73 certification.

Formula 2028 Liquid High Pressure and Steam Cleaner Concentrate is a heavy-duty liquid alkaline cleaner concentrate formulated for use in high pressure hot water or steam cleaning equipment to remove heavy deposits of dirt, grime, oil, and grease. The convenient liquid form allows it to be proportioned directly from drum using a jet eductor system, or can be easily premixed in a tank. It is safe for use on Iron, steel, stainless steel, magnesium, rubber, most plastics, nylon and neoprene. May affect some painted surfaces at low dilution rates. It can also be used as a general cleaner in a pump or pressurized sprayer.

Interlube Corporation also has other products available for the railroad industry. We also have the capability to specially manufacture and blend products to our customer's specific requirements. Please contact our technical team at 513-531-1777 or Sales@interlubecorp.com with any questions about your requirements.



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