

product guide



LUBRI-LAB
INC.

Product Guide

product guide



LUBRICANT FOR CHAINS AND CABLES

Description

The polar nature of Chain & Cable Lube allows the product to “creep.” This action causes the lubricant to penetrate into the internal mechanisms of drive chains, sprocket teeth and seats. CCL also protects against premature wear between steel cable strands.

CCL is clear which makes it easier to inspect the wires and has very good adhesive property which creates a strong protective film. CCL will not washout in fresh or salt water and will not create sheen over the water.

Applications

- Drive chains
- Drag chains
- Open gears
- Steel cables

Advantages

- Prevents oxidation due to excess humidity, water and high salt content
- Noise reduction
- Contains no heavy metals thus prevents arcing when in contact with live wires
- Does not attract dust or airborne contaminants
- Prevents stretching of drive chains
- Protects against corrosion
- Transparent finish
- Easy to apply
- Has a long life
- Dielectric rigidity up to 16.5 kV

LONG LIFE ANTI-RUST PROTECTS EVEN UNDER WATER

Description

Rust Defense is a long life, anti-rust coating that provides superior protection for metals, vehicles and equipment.

Applications

- Excellent on all metals which may present a rust problem
- Ideal for vehicles, marine equipment and lifts
- Excellent for all equipment or parts that need protection against rust

Advantages

- Excellent adherence to metal and does not drip
- Penetrates metal and all hidden parts
- Excellent stability under a large range of temperatures
- Dries within a few hours
- Protects even under water
- Salt resistant
- No unpleasant odour after application
- Fire resistant after application
- Transparent finish gives a clean appearance

BARRIER FLUID LUBRICANT AGAINST CONTAMINANTS

Description

Parts are exposed to difficult environmental conditions. Airborne contaminants circulating in the air come to rest on chains and cables, as well as the shafts of hydraulic cylinders. Block Aid fights the problems caused by such harsh environmental conditions.

Applications

- Worm screws
- Hydraulic cylinder shafts
- Steel cables
- Drive chains

Advantages

- Antiwear properties
- Prevents premature wear of sprocket seat and teeth
- Creates a barrier between parts and contaminants
- Excellent water washout resistance
- Reduces cleaning time
- Antistatic properties
- Dielectric rigidity test ASTM D-877, 47 kV
- Food approved standard H-2 CFIA No. : /L125



H1 FOOD EQUIPMENT GREASE

Description

Alimex-1 is distinguished by its exceptional mechanical stability, high dropping point and its performance under water washout. It is a state of the art, high performance grease which has been developed by complexing modified, overbased, calcium sulfonates. This technology in many ways outperforms other premium, high temperature greases such as Lithium Complex, Aluminum Complex and Polyurea.

Applications

Alimex-1 is a certified H-1 grease for incidental contact with food. It is designed for use in all food processing areas including mixing, baking, cooking, frying, stirring, packaging, cleansing, bottling and canning.

Advantages

- Exceptional mechanical stability
- High dropping point, 318°C (608°F) ASTM D2265
- Resists heavy load, Timken OK load, ASTM D2509: 36 kg (80 lbs)
- Excellent anti-wear and anti-corrosion properties
- Does not dry
- Resistance to Water washout, ASTM D1264, at 80°C (175°F) % loss: 0.5
- Approved by CFIA.
File number: 3100-3/L125
- Certified H1 grease for incidental contact with food. File number: NSF: 128001

IMPACT TACKY GREASE

Description

Top-5 resists to impacts due to its excellent tacky properties. It has excellent adhesion to metal, even under extreme water wash conditions and high temperature.

Applications

- Transport
- Marine applications
- Heavy industry
- Mining
- Quarry
- Construction
- Golf and ski machineries
- Food equipment

Advantages

- Resists sand and contamination
- Does not contain heavy metal
- Does not leak from joints
- Excellent anti-wear properties
- Clings to hot metals
- Resists a wide range of temperature -40°C (-40°F) to 316°C (600°F)
- Does not melt
- Does not wash out
- Contains rust inhibitors
- Lubricates bearing under water
- No sheen over the water
- Approved standard
H-2 CFIA No. : /L125. NSF 137390

SUPERIOR ALL-PURPOSE GREASE

Description

S-350 high performance calcium sulfonate grease is multipurpose grease suitable for industrial, automotive and marine applications. Offers an excellent shear stability and very high load carrying properties. Resists water, salt water, oxidation, corrosion and heat. Contains no heavy metals or other environmentally undesirable additives.

Applications

- Automotive chassis and bearings (NLGI GC-LB)
- Marine applications
- Axles
- Sliding and thrust bearings
- Steel mill rollers
- Crusher bearings
- Agricultural equipment
- Wheel bearings
- Antifriction bearings
- Conveyors
- Construction equipment
- Electric motor bearings
- Ski and golf equipment
- Dielectric strenght
ASTM D149, D150, D257

Advantages

- Excellent shear stability
- Very high load carrying properties
- Resists water and salt water
- Resists corrosion and oxidation
- Lubricates bearing under water
- No sheen over the water
- Wide temperature range -40°C (-40°F) to 316°C (600°F)
- Food approved standard
H-2 CFIA No. : /L 125



GEAR TREATMENT

Description

Innovative formula comprised of a mix of organic components and extreme pressure agents used to extend life, reduce friction, and noise in power transmission systems.

Applications

- Manual transmission systems
- Differentials
- Differential housings
- Gearboxes

Advantages

- Completely covers metals with a lubricating film
- Noise reduction and a longer life of bearings, gears and shafts
- Prevents formation of varnish and eliminates it
- Improves gear oil life
- Reduces excessive heat
- Dielectric properties up to 44,08 kV
- Approved Food standard H-2 CFIA No. : /L125
- Resists water and moisture

HYDRAULIC & HYDROSTATIC TREATMENT

Description

Multi-1 anti-wear treatment formulated to provide an increasing resistance to wear, corrosion and oxidation. Helps to maintain the viscosity of oil under extremes conditions of work and heat. It re-hydrates and rejuvenates seals in hydrostatic applications to stop weeping.

Applications

- Hydraulic and hydrostatic systems
- Automatic transmissions
- Compressors
- Turbines

Advantages

- Provides needed protection to pumps, valves, seals and other wear items
- Cleans internal parts, eliminating varnish and corrosion
- Improves resistance to oxidation
- Reduces cavitation, heat and extends oil life.
- Re-hydrates and rejuvenates seals
- Stops most hydraulic leaks
- Reduces heat in hydraulic oil
- Winter formulation available, maintains oil viscosity
- Dielectric rigidity up to 30.8 kV
- Food approved standard H-2 CFIA No. : /L125
- Resists water and humidity

CONCENTRATED OIL TREATMENT FOR ENGINES

Description

Integral 7 is an anti-friction formula that forms a molecular film which reduces friction, heat and wear. Strengthen oil molecular chain and helps maintaining viscosity. Prevents and eliminates the formation of deposits. Increases power by restoring compression.

Applications

- Fuel engines
- Diesel engines

Advantages

- Engines last longer and need less maintenance.
- Increases oil life
- Reduces wear and corrosion.
- Neutralizes acids and alcohols
- Increases power by restoring compression.
- Better lubrication results under extreme conditions of temperature, speed and pressure
- Reduces oil consumption and exhaust smoke
- Contains no chlorine or PTFE
- Does not produce deposits
- Improves fuel economy
- Food approved standard H-2 CFIA No. : /L125



MARINE THRUSTER GEAR OIL

Description

MOIL-1083 is a high performance synthetic marine gear oil, specially designed for heavy duty marine thruster gear application. SA-1083 is engineered to meet challenges of today's marine thrusters operating under higher temperatures and stress, helping operators optimize equipment performance, reduce oil consumption, extend oil drain intervals and reduce maintenance costs.

Applications

- Azimuth Thrusters
- Drive shaft
- Propeller shaft
- Gears and bearing

Advantages

- Minimizes wear
- Enhances the performance of all critical gearbox components, including gears, bearings and seals
- High viscosity index and low traction coefficient
- Wide range operating temperature
- Excellent rust and corrosion protection
- Resists to salt water
- Compatible with mineral based gear oils
- Protects from water contamination
- Reduces energy consumption
- Outstanding protection against micro-pitting fatigue wear and scuffing wear

Specifications

- SA-1083 meets or exceeds the requirements of gear oil standards.
- GM LS-2 Specification LR for EP gear oils
- U.S. Steel 224
- American Gear Manufactures (AGMA) 9005



MARINE GEAR OIL ADDITIVE

Description

MGA-1084 is specially designed as a Marine Gear Oil additive formulated to withstand substantial water contamination. When blended in marine gear mineral oil, SA-1084 will display excellent extreme pressure test results while maintaining good resistance to corrosion, foam and antiwear performance. Lubri-lab SA-1084 is formulated to emulsify up to 25% water, both fresh and salt water, and remains in emulsion to ensure proper lubrication of the gears while protecting from rust and corrosion in the presence of this water.

Applications

- Azimuth Thrusters : drive shaft, propeller shaft, gears and bearing.
- Submersible pump
- Gearbox under extreme water wash out

Advantages

- Withstands substantial water contamination up to 25% of water
- Resists to salt water
- Protects from rust and corrosion
- Excellent extreme pressure
- Provides antiwear performance



100% SYNTHETIC OIL FOR GEARS

Description

Biotope-Gear performs exceptionally well under extreme heat and cold. Achieves higher viscosity indexes, a very low rate of cavitations and will not create a traction effect on gears. This results in energy savings and improved performance. Biotope-Gear forms a strong protective film over the entire gear which resists wear, prevents unprotected starts and premature breakdown. Biotope-Gear has an increased resistance to oxidation and lasts 3 to 5 times longer than regular oil.

Applications

- Highly loaded gearboxes.
- Enclosed gears under severe temperature ranges
- Offshore operations
- Construction equipment
- Heavy equipment operating around water
- Forestry and snow removal
- Plastic extruder gearboxes
- Turbine gearboxes.

Advantages

- Resists cavitations and varnish formation
- Resists a wide range of temperature
- Resists shearing
- Reduces the frequency of oil changes
- Withstands extreme loads and speed.
- Excellent resistance to rust, corrosion and water.
- Will not plug filters in presence of water
- Compatible with all yellow metals



100% SYNTHETIC FLUID FOR COMPRESSOR

Description

Biotope-Air is a fully synthetic compressor fluid specially designed for high performance applications on rotary compressors (screw and sliding vane) and reciprocating compressors (water cooled and air cooled). The high temperatures of operation 121°C to 260°C (250°F to 500°F) require drain intervals of mineral oil in the region of 500 to 1000 hours. Use of Biotope-Air increases drain intervals up to 8000 hours. Biotope-Air provides long-life discharge valve in reciprocating compressors.

In rotary applications, Biotope-Air provides superior thermal and oxidative stability over a wide range of temperatures. Biotope-Air improves water tolerance and protection against corrosion. It is particularly effective in rotary compressors having oil injection cooling with high final compression temperatures. Biotope Air is very effective against varnish.

Biotope-Air has low volatility and low carbon-forming tendencies, which result in clean compressor operating conditions. Biotope-Air is compatible with elastomers and coatings found in older compressors.

Applications

- Rotary compressors; screw and sliding vane
- Reciprocating compressors; water cooled and air cooled

Advantages

- Improves water tolerance
- Improves protection against corrosion



100% SYNTHETIC FLUID FOR HYDRAULIC SYSTEM

Description

Biotope-Hydrau is a fully synthetic fluid oil offering an excellent protection against wear. This essential element maintains the pump efficiency. Biotope-Hydrau is compatible with the seals, resists corrosion and easily separates itself from the water and the debris in the separator/filter before returning again in the system.

According to the test of stability of oil with turbine, ASTM D 943 shows that after 2000 hours there is no change in the TAN (Total Acid Number) and thus offers an increased resistance to oxidation.

Applications

- Hydraulic System

Advantages

- Resists against corrosion and oxidation
- Excellent anti-wear properties
- Avoids the oil loss due to sliding
- Compatible with the seals
- Separates itself easily from the water and debris
- Keeps the system cleaner
- Resists a wide range of temperature



PENETRATING ANTI-FRICTION DIELECTRIC LUBRICANT

Description

The unique formula of Lubri-Lab's Pen-Lub is a combination of essential ingredients necessary in order to cleanse, lubricate and protect metal. PenLub penetrates the metal pores, disperses humidity, dissolves rust and metal flakes, cleans away grease and dirt while leaving behind a fine lubricating protective film. Eliminates moisture. Its dielectric properties up to 29.8 kV (29,800 volts) allow a wide range of applications.

Applications

- Motors and generators
- Locks
- Fans
- Circuit breakers, integrated and switches
- Mine and Marine equipment
- Elevators
- Assembly line
- Penetrating fluid
- Antifriction applications
- Pneumatic tools & systems
- Sprinklers
- Many, many more

Advantages

- Dielectric (kV) D877:
Aerosol 14,7 kV
Bulk liquid 29,8 kV
- Antifriction
- Dissipates moisture
- Prevents rust
- Lubricates
- Cleanses in depth
- Does not harm plastic
- Does not attract dust, dirt or airborne pollutants
- Safe for integrated circuit
- Silicone free
- Food approved standard CFIA:
L125 H-2 NSF 144467

COMPLETE FUEL CONDITIONER PACKAGE

Description

Xtra Diesel is a conditioner that improves Diesel effectiveness. Xtra Diesel has been tested based on the procedure SAE International J1321 at Transport Canada Center, the result obtained (3% fuel economy) is superior to the performances shown by all other fuel additives tested in the past. Cleans the pieces of the system and eliminates the deposits and algae. Separates the water from the fuel to avoid the water to penetrate the system.

Applications

- Treatment for Diesel Engine System

Advantages

- Neutralizes effects of moisture and separates water from the fuel
- Lubricates fuel systems, lines, pumps and injectors.
- Excellent antiwear result
HFFR ASTM D6070:450
- Removes and prevents corrosion and algae
- Improves fuel filter life by as much as 85%
- Reduces exhaust emissions
- Engine functions and fuel remain stable at low temperatures
- Improves fuel economy by at least 3%
- Improves fuel combustion properties
- Improves life of injectors and pump
- Reduces deposits caused by combustion
- EPA Registered per
40 CFR 79.23:198820001

COMPLETE GAS SYSTEM CLEANUP

Description

Detona+ prevents deposits in the fuel circuit, intake valve and combustion chamber. Which increase motor performance, better starts, provides fuel economy and reduces maintenance costs. Detona+ protects against frosting of the carburetor and freezing gas lines which allow a better movement of the throttle valve and avoid stalling. Detona+ has excellent properties against corrosion of the circuit and especially in the injection system.

Applications:

- Gas conditioner

Advantages:

- Restores power, acceleration, and lost compression
- Cleans and maintains the fuel system
- Protects the system from corrosion
- Prevents freezing of gas lines and carburetor frosting
- Prevents accumulation of varnish
- Optimizes fuel economy
- Increases engine efficiency

deposits, adhesion to metal, resistance to water and corrosion, r

Lubri-Lab

Lubri-Lab, Inc. has been producing high quality products since 1988. It has been our goal to produce a product that is both premium quality and environmentally-friendly, while providing excellent customer service and assistance.

The results are the products produced today. Featuring a full line of greases, penetrating lubricants and additives, Lubri-Lab guarantees to have the product you are looking for with the performance results your equipment demands.

In this Product Guide, you will find a number of Lubri-Lab products, from greases to conditioners. The summary explains what each product is, what it can be used for and its advantages to your equipment.

According to standards ISO 9001 and BNQ21000 all Lubri-Lab team is committed to implement and continually improve its quality management system and sustainable development.

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