

Industrial Sealing & Lubrication, Inc.

Your comprehensive source for:

**Lubricants – Pump Parts – Lubrication Equipment – Packing
Gaskets – Mechanical Seals – Filters and Filtration Systems**



Royal Purple - Synthetic Oil: Royal Purple's high performance industrial lubricants, oils, and greases are specifically engineered to handle the world's toughest industrial lubrication applications. Our industry experts have strengthened our premium base oils with proprietary additive technologies to create a range of very specific industrial lubrication products that outperform other synthetic and mineral-based oils, including in the most extreme environments.



Bel-Ray: Bel-Ray releases the full potential of your machinery. Each moving part works more efficiently, which reduces your energy consumption and gives your equipment a longer life-expectancy. You cut down on maintenance and replacement parts costs because there's less wear and tear. Choose Bel-Ray products and you're choosing to make your machinery more effective.



Trico: For 100 years, Trico has provided customers lubrication management solutions with a focus on industrial equipment performance and reliability such as: Oil Storage & Handling, Contamination Control, Oil Sampling, Oil Analysis Services, Lubrication & Re-Lubrication, Grease Lubrication, Visual Inspection, Central Lubrication, Metalworking.



Des-Case: Des-Case serves its customers with leading, innovative products and services that enhance equipment reliability and increase profitability. Des-Case products extend the life of industrial lubricants by preventing contamination with desiccant breathers, removing contaminants with filtration systems, and detecting lubricant problems with visual oil analysis. By extending lubricant life, Des-Case helps companies improve overall equipment reliability increasing productivity and profitability.



Whitmore: Whitmore is a leading provider of innovative products and services which increase the reliability, performance and lifespan of industrial assets. We manufacture high performance lubricants, friction modifiers, application equipment, lubrication management systems, desiccant breathers and cleaners designed to meet the specific needs of each industry and application



Jetlube: Since 1949, Jet-Lube has been recognized as a world leader in manufacturing lubricants for oilfield, construction, water well and industrial maintenance customers worldwide. For extreme and demanding applications within industry, Jet-Lube focuses strongly on producing the highest quality valve lubricants, anti-seize, production and drilling compounds, thread and high-temp sealants, anaerobics, penetrants, and cleaners and degreasers



OilSafe: The OilSafe lubrication management system establishes best practices throughout your facility. Every step is color-coded to eliminate risk and human error, simplifying maintenance and extending the life of your equipment. Keep your business running with OilSafe.



Air Sentry: Air Sentry set the standard for contamination control breather technology in 1997, creating new state-of-the-art features that reduced particulate and moisture contamination. This innovative breather line was the first to integrate check valve technology and the first to offer replacement desiccant/filter cartridges, significantly reducing maintenance costs.



I.F.H.: Our industrial fluid storage and handling system stores product close to the work area, cutting handling costs up to 80%. Ease of product flow costs retrieval time up to 50-70% over drums or pumps. There is no drum tipping, pump cleaning or switching, and no major pump replacement costs. Users save money while saving time and space.

Industrial Sealing & Lubrication, INC.

• 15430 S Keeler Street Suite A • Olathe, KS 66062 •

• P 913.334.5823 • F 913.334.9468 • islgroup.com •



Chemstar Packing: With more than 40 different styles of braided, 100% GFO packing, gasket materials and StarPac injectable pump & valve sealant, ChemStar stands ready to meet our customers' needs in a wide range of industries. Made in USA!



American Braiding: American Braiding and Manufacturing has been a leading manufacturer of the most complete lines of high quality mechanical packing and related fluid sealing products available. In 1978, former Packing Development Engineer for Johns Manville Company Jerry Bailey founded American Braiding and Manufacturing as a primary supplier to the government military supply chain by assisting in the creation of many of the current military specifications that exist today. Today, our products support both commercial and military aircraft, merchant and military surface ships, and submarines.



Teadit:

- Spiral Wound Gaskets
- 905 Metalbest Corrugated Graphite Gaskets
- Camprofile Gaskets
- Compression Valve Stem and Pump Packing
- Compressed Fiber Gasket Sheet Materials
- Teflon PTFE Sheet
- Expanded PTFE Joint Sealant and Sheet Material
- Graphite Sheet
- Die Cut and Precision Cut Gaskets



Sepeco: Used in a wide array of applications, SEPCO's high performance solutions include mechanical seals, compression packings, graphite products and gasket materials. The company also specializes in die formed packing rings, molded PTFE parts, thermal management solutions, and fiberglass products.



Flex-a-Seal: Our facilities contain state of the art bellow welding capabilities, CNC machining centers, quality control standards, and extensive inventory systems. We also offer seal repair capabilities to refurbish not only our seals, but our competitors' as well.



Apex Sealing: End users are under more industry pressure than ever in regard to cost reductions and expedited delivery. Apex focused commitment to establishing the industry's broadest in-stock inventory of mechanical seals has successfully satisfied a very diverse base of customers.



ISOMAG: Isomag Corporation, founded in 1994, was established in response to the global need for an improved rotating equipment lubrication seal in both static and dynamic applications. Since that time, Isomag has been committed to researching, understanding, and perfecting bearing isolators utilizing magnetic energy. The result is a positive sealing bearing protector in liquid lube, oil mist, or grease. Isomags are used in critical, payload applications throughout the world.



Radwell: Radwell International stocks and sells New and Surplus Industrial Automation, MRO, Pneumatic, Motion, Electronic, Hydraulic, HVAC and Electrical Control Equipment for plant floor and facilities maintenance machinery. We also have full component level repair capabilities for all Industrial Electronic and Electrical equipment. We also bur Surplus Industrial Controls.



Luneta: Luneta, LLC develops advanced machinery lubricant inspection technology for machine condition monitoring and reliability. Luneta's technology is designed primarily for the heavy machinery market (OEM and aftermarket) used largely in process plants including petrochemical, power generation, primary metals, food processing, mining, pulp & paper, pharmaceuticals, and cement manufacturing.



One Eye: One Eye Industries Inc. (OEI) designs and manufactures patented magnetic filtration solutions for all rotary equipment as well as to other applications such as filtering water. OEI employs a patented radial magnetic filter rod technology in the construction of its magnetic filtration systems which capture ferrous and non-ferrous material to sub-micron levels with minimal flow restriction.



Donaldson Filtration: We deliver a full line of aftermarket fuel, lube, coolant and air intake filters for diesel engines, hydraulic and bulk tank filtration - plus exhaust system components.

Industrial Sealing & Lubrication, INC.

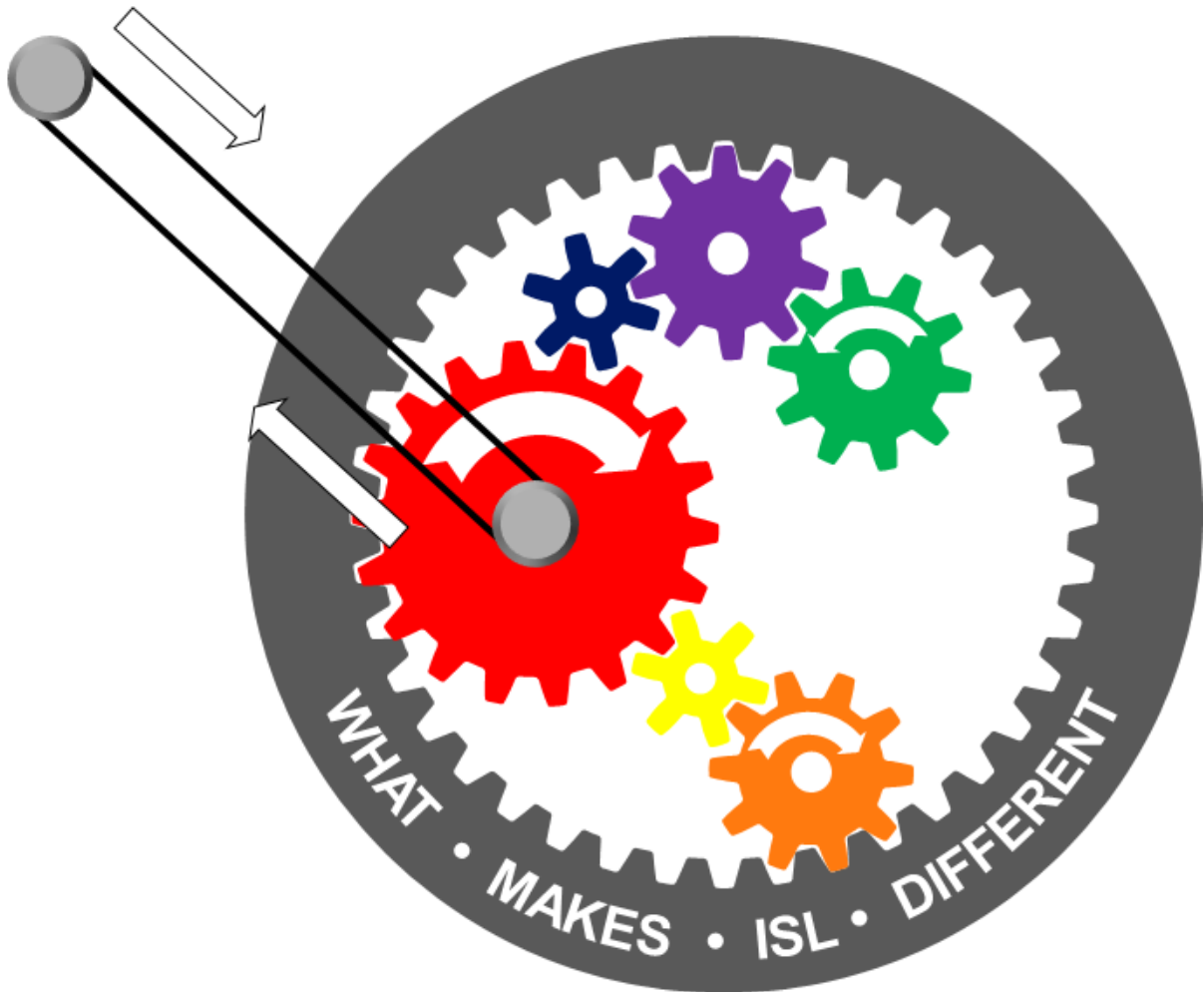
- 15430 S Keeler Street Suite A • Olathe, KS 66062 •
- P 913.334.5823 • F 913.334.9468 • islgroup.com •

**We help you reduce the Need
For Multiple Vendors**



Equipment Reliability

Oil Storage and Handling



Filtration

Contamination Control

Lubrication

*Industrial Sealing & Lubrication, Inc.
15430 S. Keeler St. Olathe, KS 66062*

Local: 913-334-5823 Toll Free: 1-800-431-5823 Fax: 1-866-244-8684

Email: info@islgroup.com

The ISL CREED

At Industrial Sealing and Lubrication, Inc. our commitment is to help our customers achieve the lowest total cost of ownership of their mechanical systems by providing high quality reliability products to extend the life of their equipment, reduce energy costs, and prevent costly breakdowns. Our goal is to be the first company our customers call. As part of that pursuit we believe in:

Integrity- We believe in doing what is right for our customers even when no one is watching.

Service- We listen to our customers. We are there for them when they need us. And, look for ways to help make their jobs easier.

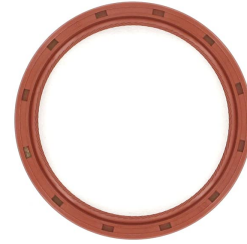
Proactivity- We are consultants to our customers. We seek out opportunities to maximize savings and prevent costly mistakes for our customers.

Family- We are focused on long-term relationships and work to build trust as the foundation for those relationships.

Work – We are protective of our time and spend time on the things that matter to our success and to the success of our customers.

At ISL, we are committed to being the trusted partners of our customers, providing solutions to help them achieve the lowest cost of ownership and maximize longevity of their equipment

ISL is a proud distributor for Flex-A-Seal Seals and their Repair Program



ISL offers replacement seals for a full array of compressors, mixers, pumps, and other rotating equipment. Direct replacements are available in standard inch and metric sizes and materials for major brands, including John Crane®, EagleBurgmann®, Pac Seal™, U.S. Seal Mfg™, and Xylem Flygt®. Replacements for custom designs are available on request.

- MECHANICAL SEALS
- Split Cartridge Mechanical Seal
- Single Cartridge Seals
- Dual Cartridge Seals
- Edge Welded Metal Bellows
- OEM Replacement Seals
- Heavy Duty Slurry Seals
- Engineered Component Seals
- Mixer/Agitator Seals
- Gas Seals
- Multi-Lip Cartridge Seal
- SEAL SUPPORT SYSTEMS
- Lube Oil Systems
- Buffer Fluid Reservoir – API Plan 52
- Barrier Fluid Reservoir – API Plan 53
- Primary Seal Monitoring Systems
- Filtration Systems
- Heat Exchangers
- Parts

Let ISL be the seal supplier and repair facility you count on!



Lubricants



Royal Purple is the world's leading lubricant company: The Performance Oil That Outperforms®. Our product portfolio includes a complete line of premium synthetic lubricants and performance chemicals for **automotive**, **commercial trucking** and **industrial applications**. With our proprietary Synerlec® technology serving as the cornerstone for most of the products, Royal Purple lubricants excel in head-to-head performance tests by outperforming the competition.



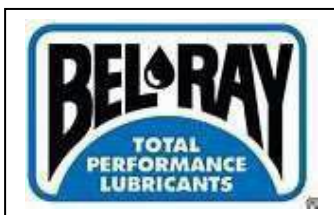
For nearly 70 years, Bel-Ray® products have proven their value, setting the highest standards of quality and performance. A leader in lubrication technology, our company has engineered products to protect, while delivering superior business value for applications in aerospace, automotive, energy, food, marine, military, mining, motorcycle, OEM, powersports, steel, textile and other industries served by our Powersports, Marine, Industrial and Mining Divisions.



Quantum products include automotive, commercial, off-road, and industrial oils. Focusing on price conscious buyers our products are perfect for the customer looking for high quality oil when purchase price is essential. Available in many packaging options including bulk totes and tankers.



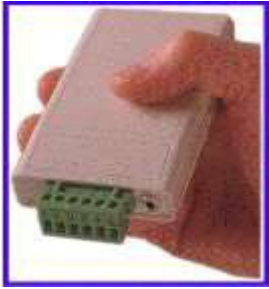
- Reduce Failures
- Provides Energy Saving
- Extends Oil Drains
- Reduce Friction = Reduce Heat



- Synthetics, Mineral, Food Grade
- Extensive Line Up of Grease
- Diverse Industry Mix of Products



- Mineral & Partial Synthetic
- Perfect for Price Sensitive Application
- Quality at a Competitive Price



Data Loggers

To record amp draw we use a Pace Scientific XR440 Pocket Logger and CT unit. We first size the CT accordingly to your max amp draw for the specific piece of equipment. i.e.- If you have a compressor that pulls 450 max amps, we would use our 500 amp CT. We have CT's ranging from 100 to 1500 amps.

The CT fits around one phase wire in the electrical box and then connected by wire the Pocket Logger's terminal block. The Pocket Logger has a magnetic backing to sit securely in the electrical box as well. It requires no changing for the duration, so there will be no need for the electrical box to be opened. We simply program it and leave it securely in the electrical box and it need not be removed until the end of the evaluation period. You may lock and tag out the box if you wish or follow company guidelines regarding the safety of the electrical box and those involved as it does not require any special attention during the evaluation.

The data logger takes a reading every 2 seconds, and then averages those 2 second readings into an 2-minute reading. This typically gives us about 300 pages worth of data in an excel spreadsheet for a two week recording period. To save paper and make the report easier to transmit and copy for forwarding to plant personnel we average those 2-minute readings into a 30 minute reading. This usually compiles those 300 pages down to about 30 or so. It will store data for 3.9 months, but we see results typically within a week after changing the oil to Royal Purple.

AC Current Sensor (CT)



Please note that there are time constraints with using these data loggers as they only hold a certain amount of data. It is suggested to follow this timeline once the data logger is installed.

- Run equipment on current oil for one week.
- Run equipment on Royal Purple for one week.
- After the data logger is installed, it is not necessary to do anything to it until it is ready to be taken off and downloaded for translation.
- Please make note of the time/date that data logger is installed, time/date oil changed, and time/date data logger removed.



WHY CHOOSE SYNTHETIC OIL OVER MINERAL OIL?

Because Synthetic Lubricants are superior to mineral oils!

- Synthetic molecules are perfect! Each molecule is identical and totally free of wax and impurities.
- Synthetic oils operate more efficiently over a wider range of temperatures. At cold temperatures they are more fluid, and at high temperatures they are stable and thin out less than mineral oils.
- Synthetic oils are pure and form fewer deposits, keeping equipment cleaner and operating more efficiently, with fewer filter changes than mineral oils.

WHY CHOOSE ROYAL PURPLE OVER OTHER SYNTHETICS?

Because Royal Purple Synthetic Oils are superior to other synthetic oils!

- Only Royal Purple oils are formulated with Synerlec™, our proprietary super-touch, tenacious, slippery, synthetic lubricating film extending both the life of the equipment and the oil.
- Synerlec's™ tougher oil film greatly extends the life of bearings, gears, etc., under both normal loads and shock loads.
- Synerlec™ “micro-polishes” surfaces greatly reducing metal fatiguing vibrations allowing equipment to run longer, smoother, cooler and often quieter.
- Synerlec™ keeps oil dry by causing water to separate from oil, which can be drained from the bottom of the reservoir. Dry oil greatly extends bearing life and prevents rust.
- Synerlec™ gives Royal Purple Oils greater oxidation stability (longer oil life) than other oils, reducing the formation of deposits and greatly extending oil drain intervals. In U.S. Bureau of Standard's severe, high temperature oxidation test, Royal Purple's oxidation life exceeded other synthetic oils by 1000% or more. Fewer oil changes means less oil purchased and less oil disposed.
- Synerlec™ is a superior synthetic corrosion inhibitor that protects equipment operating in intermittent service. It protects against rust and corrosion during both operation and shut-down.
- Synerlec's™ greater lubricity saves fuel by lowering the coefficient of friction.

WHY ROYAL PURPLE COSTS LESS!

Because Value = Price + Performance!

- Royal Purple's tougher film strength extends equipment life to reduce capital expenditures.
- Operating expenses are reduced as equipment operates smoother, quieter, cooler and longer with less maintenance, and fewer oil and filter changes.
- Royal Purple's premium performance properties allow fewer oils to be inventoried for a greater number of uses.
- Royal Purple's greater lubricity saves fuel.
- Environmentally safe. Meets EPA, OSHA, TSCA requirements and many FDA requirements.
- Environmentally responsible. Saves Natural Resources-Keeps Environment Cleaner by reducing used oil disposal. Can be disposed of, or recycled, the same as mineral oils.
- Value = Price + Performance! Royal Purple performance saves money!

	Mineral Oil	Royal Purple
Price per gallon	\$9.00	\$31.14
Service life	1000 hrs.	9000 hrs. (environmental)
Oil changes/year	9	1 (environmental)
Annual Oil Cost, gal.	\$81.00	\$31.14 (economical)
Savings per gallon		\$49.86 (economical)
Savings per 100 gallons		\$4986.00 (economical)

Industrial Sealing & Lubrication, INC
 • 15430 S Keeler Street Suite A • Olathe, KS 66062 •
 • P 913.334.5823 • F 913.334.9468 • islgroupp.com •

MODEL M1

WIRELESS VIBRATION SENSOR

Full-service, easy-to-install condition monitoring in a compact package.

Combined with our powerful, cloud-based, full- or self-service Waites diagnostics service, this high-frequency, high-G, 3-axis wireless vibration sensor will keep your equipment running properly and alert you long before unexpected failures occur. With over one hundred thousand sensors installed and monitored, Waites has saved its customers over \$50M in documented lost production (and/or increased production capacity) in less than 2 years.

POWER

Battery: (1) 3V Panasonic CR123A Industrial Lithium

Expected Battery Life: 6 years*

*based on reading intervals of Temperature every 15 minutes, RMS every 1 hour, Raw readings every 24 hours

WIRELESS RADIO

802.15.4 Wireless 2.4GHz ISM Band with 3,000 ft LOS range

TEMPERATURE SENSOR

Range: -40°C to 150°C w/ .5°C Resolution

ENVIRONMENTAL

C1D1 Certified hazardous locations (Coming 11/1/2019)

Operating Temperature -40°C to 85°C

ACCELEROMETER

M001: Tri-Axis, High Dynamic Range

X Axis: +/- 50g Fs = 22,400Hz, 8192 Lines of resolution

Y Axis +/- 16g, Fs = 5400Hz, 8192 Lines of resolution

Z Axis +/- 16g, Fs = 5400Hz, 8192 Lines of resolution

PHYSICAL DIMENSION

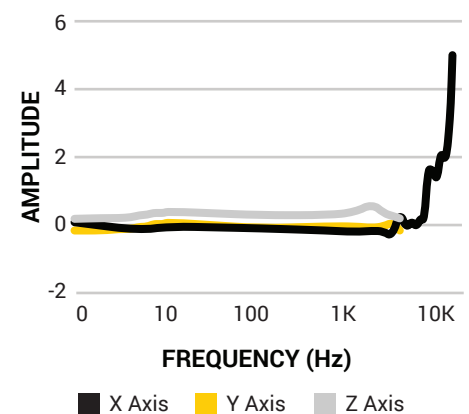
2½" x 1¼" ø / 63mm x 32mm ø

1/4-28 mounting hole



With its compact size, the M1 can fit into practically any space, allowing your operation to monitor machines in even the tightest locations.

FREQUENCY RESPONSE





OVERVIEW

The Waites Wireless system allows for the wireless condition monitoring of plant equipment. The system is comprised of sensors, battery-powered wireless nodes, line powered (mesh- networked) wireless routers, and a communication hub that manages the system. Taking 10,000's of data samples per day (customizable) allows the user to quickly identify unique trends for each point being monitored. Potential deviations from these historical trends are easily alarmed, and identified automatically as they occur.

The Waites Wireless system empowers Operations and Maintenance personnel to invest prognostication efforts on self-identified "sick" equipment, instead of taking route based data samples on healthy equipment. It also provides Management with accurate, documented, timely data on which to make equipment run decisions.

Developed over 5 years in various real plant environments, Waites Wireless Sensor Technology was uniquely designed for the scaled (1,000+ sensor) environment. Due to the significant IT expense to maintain historical data for each sensor, combined with the inefficiency of a location- based equipment monitoring system, Waites Wireless automatically encrypts, processes, and presents data to the user via a simple, yet robust, web interface. With the necessary approved security protocols, individuals can access sensor data from any internet-connected computer or device. Users are able to view data trends and set alarms as needed. When newly arrived data triggers the previously set alarms, users can be notified via email or text message.



Oil Analysis



Why Oil Analysis?

Our oil analysis team understands that unscheduled downtime is an organization’s number one enemy. In an environment where equipment is expected to run 24 hours-a-day, 7 days-a-week under extreme operating conditions, equipment failure can quickly bring production to a halt. This can turn your normal workday run into an excruciating marathon.

What if Oil Analysis could help you prevent downtime?

Imagine being able to see exactly what’s happening inside your equipment. You could prevent failure, enhance machine performance and gain a competitive edge. That’s where Trico can help.

WHEN IT COMES TO YOUR MACHINERY’S LIFE – **DON’T GUESS.**

Trico provides over 50 standardized tests for industrial lubricants, fuels and coolants. Whether you are starting a fluid analysis program or improving an existing program, we will help you customize a test suite that will maximize the benefit of your predictive/preventive fluid analysis service.

Why Trico Oil Analysis?

For more than 30 years, we have been providing customers with lubrication management services by trained experts to ensure an effective proactive maintenance monitoring program that includes:

- **Used Lubricant Analysis**
- **Coolant Analysis**
- **Transformer Oil Analysis**
- **Oil Analysis Program Evaluation**
- **Wear Particle Analysis**
- **Diesel Fuel Testing**
- **On-Site Sampling Labor Services**
- **Sample Point Identification Survey**

•

Industrial Sealing & Lubrication, INC
• 15430 S Keeler Street Suite A • Olathe, KS 66062 •
• P 913.334.5823 • F 913.334.9468 • islgroupp.com •



Vertical Style Oil Sight Glasses

The Oil Sight Glass handles most applications

The Oil Sight Glass (OSG) is the model that started the product line over 30 years ago.

- Water wreaks havoc on lubrication systems, causing premature wear and failure.
- Immediate visual inspection of the oil.
- Ability to drain any accumulated water.
- Installed directly to a drain port located at the bottom.
- Any sediment or particles in the lubricating fluid will matriculate to the OSG.
- Available in 1 ounce or 3 ounce capacity with fitting sizes of 1/4", 3/8" or 1/2" NPT.
- Made of strong, impact and stain resistant acrylic and brass hardware.



**Products are available for horizontal and high heat applications.
Please ask your ISL sales representative for more information.**

Industrial Sealing & Lubrication, INC
• 15430 S Keeler Street Suite A • Olathe, KS 66062 •
• P 913.334.5823 • F 913.334.9468 • islgroupp.com •



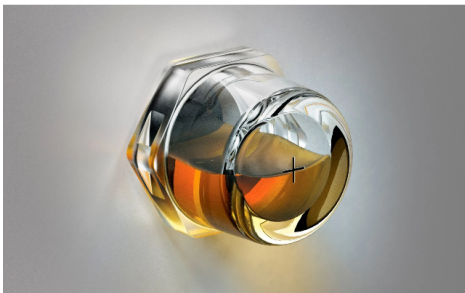
3-D Bulls Eye - A Better Alternative to Sight Windows on Oil Reservoirs

- The standard sight windows on oil reservoirs make it difficult to view the oil level, stain easily, and must be replaced often.
- Clear Cylinder made from one solid piece of acrylic with threading on one end and a rounded polished end for easier viewing of the oil on the other.
- 3-D Bulls Eye provides constant oil monitoring from any angle.
- Available in sizes ranging from 1/4" to 2" in both Standard NPT and Metric threads.

Old Way



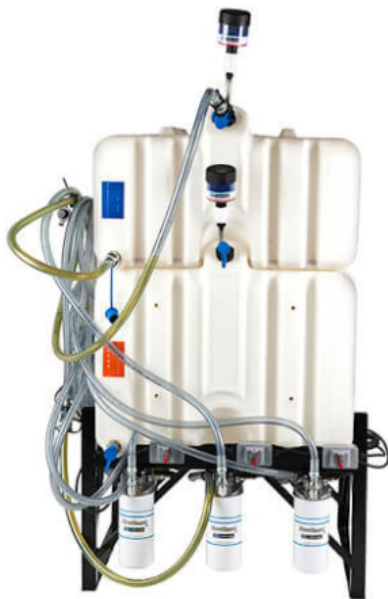
New Way



Industrial Sealing & Lubrication, INC
• 15430 S Keeler Street Suite A • Olathe, KS 66062 •
• P 913.334.5823 • F 913.334.9468 • islgroup.com •

Bulk Oil Storage

- **Customize to Your Needs**
- **Metal and Plastic Tanks**
- **Gravity Flow or Air/Electric Pumps - Filters Optional**
- **Color Coded Tanks for Easy Identification**



We
stand out
from the crowd.

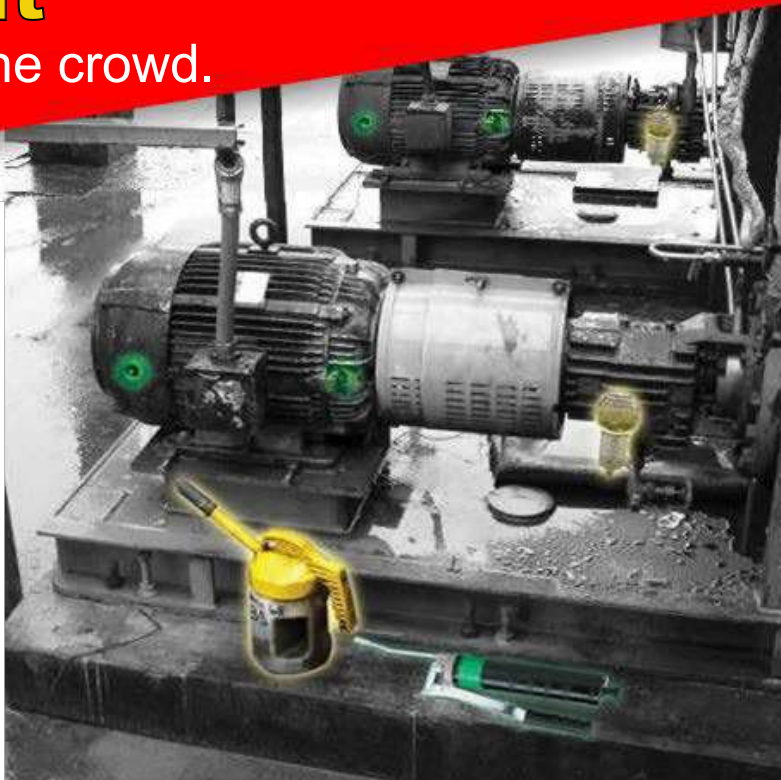


spectrum

VISUAL LUBRICATION MANAGEMENT SYSTEM

Avoid lubricant cross contamination and misapplication with Spectrum Visual Lubrication Management for maximum reliability.

Spectrum Visual Lubrication Management System ensures the correct lubricant is used in the right piece of equipment, and in the proper location. Make every day easier for your employees and avoid equipment failure that can result from lubricant incompatibility.



A SOLUTION TO MANAGING LUBRICANTS FROM STORAGE TO POINT OF USE.

Color coding is now available for lubrication systems from lubricant storage through the lubrication room to the point of lubrication. Colored identifiers can be assigned to designated lubricants. Assigning specific colors allows for a tagging system to be deployed throughout the lubricant chain within the facility. From the point of storage to the point of application, the operator will know which designated lubricant is to go to each specific lubrication point. A simple system like this will assist in helping personnel understand the internal supply chain ensuring that the right lubricants gets to the right application.





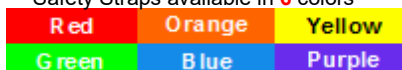
spectrum
VISUAL LUBRICATION MANAGEMENT SYSTEM

**A SOLUTION TO MANAGING LUBRICANTS
FROM STORAGE TO POINT OF USE**

EZI-ACTION PUMPS

These pumps provide an easy method of dispensing a wide range of liquids from 5 gallon containers to 55 gallon drums. The patented zero-friction design provides effortless flow of viscous fluids up to 8,800 cps. Each pump can be identified by one of six color straps.

Safety Straps available in **6** colors



OIL SAFE® CONTAINERS

These products provide a safe, easy method of transporting, handling, and dispensing lubricants in a wide variety of applications. The product lids and drums are interchangeable and come in a variety of sizes and styles to suit individual needs.

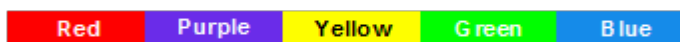
Lids available in **10** colors



GREASE IDENTIFICATION SYSTEM

The grease identification system uses different color grease fitting caps, washers, and grease gun bands to ensure that the right product gets applied to the right location. The grease fitting caps and washers are available in two sizes to fit 1/8 NPT or 1/4-28 grease fittings. The grease gun bands slide over standard grease guns and do not slip after being installed.

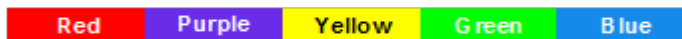
Bands, washers, and caps available in **5** colors



OPTO-MATIC COLLARS

These color collars slide over the upper casting of Trico's Opto-Matic Oilers and Closed System Oilers for easy identification of lubricant type. Color-code constant level oilers to match lubricant dispensing containers, such as Oil Safe®, to avoid cross-contamination and misapplication of lubricant.

Opto-Matic collars available in **5** colors





Reservoir Adapter Kits

There has never been a quicker, more effective way to maintain lubricants in a reservoir.



Drum Adapter Kit

Protect and filter your drums right as they enter your plant and during storage with the easy-to-use drum adapter kit.



Hydraulic Adapter Kit

Prevent and remove contamination in your hydraulics when you connect this kit to your filtration system.



Tote Adapter Kit

Protect and filter your storage totes to prevent dirt and water contamination.

Reservoir Adapter Kits offer these features and benefits:

- } 1/2" and 3/4" quick connect ports
- } Anodized aluminum in 5 colors
- } Color-coding of adapter ensures smooth delivery and service intervals
- } Sample port for oil analysis
- } System remains closed, contamination stays out



Drain Port Adapter

Provides multiple useful components such as level indicators, sample ports and a free water sight glass when port locations are limited.



Gearbox Adapter Kit

Modify the fill port of your gearbox with one easy kit to connect to filtration systems and protect during operation and fluid transfer.



INDUSTRIAL SEALING
& LUBRICATION, INC.

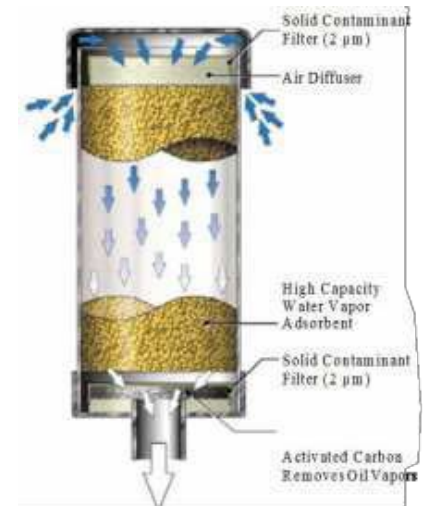
Desiccant Breathers



1. They adsorb unwanted moisture inside industrial equipment using silica gel technology. Unwanted moisture can lead to corrosion, shortened fluid life, and additive depletion.
2. They collect airborne solid particles by means of a dual, anti-static filter system. This reduces the amount of abrasive and damaging contaminants that create sludge build-up inside the fluid reservoir.

FEATURES:

- **Bi-directional air flow** - A 360° air flow allows air to be breathed in and out as fluid level changes or differential pressures occur.
- **Dual filtration system** - A two micron filter is located at the top and bottom of the silica gel bed. The top filter removes particle contamination from atmospheric air and the bottom helps with dust created by the silica gel beads contacting each other.
- **Water vapor adsorbent** - The silica gel used in the desiccant breathers absorbs up to 40% of its own weight.
- **Durable construction** - Watchdog desiccant breathers are manufactured from rugged ABS plastic and impact modified acrylic.
- **Color indicator** - When maximum adsorption is reached the silica gel turns from gold to dark green, indicating replacement is needed.
- **Activated carbon** - As air is expelled, it passes through activated carbon which removes oil vapors, fumes, and odors (except for 39131, 39132, 39133, and 39134).



Industrial Sealing & Lubrication, INC
• 15430 S Keeler Street Suite A • Olathe, KS 66062 •
• P 913.334.5823 • F 913.334.9468 • islgroup.com •



Donaldson
Filtration Solutions

Hydraulic Filters for Industrial & Mobile Applications



**Filter Assemblies &
Replacement Cartridges
High Pressure Filters
Low Pressure Filters
Duramax® Spin-On
Filters Hydraulic Line
Accessories Reservoir
Accessories**



**T.R.A.P.™
NEW
Breather
Technology!
see page 7**

Industrial Sealing & Lubrication, INC
• 15430 S Keeler Street Suite A • Olathe, KS 66062 •
• P 913.334.5823 • F 913.334.9468 • islgroupp.com •



We are your one stop source for all of your filtrations needs

Air / Oil Separators:



Oil Filters - Spin-on and Open:



Air Filters/Housings:



Blower Filters-i.e. Universal:



Gas Process / Coalescing Filters:



Genuine OEM:



We are a distributor of aftermarket filter products for compressors, refrigeration units, blowers, and vacuum pumps. We supply air/oil separators, coalescers, air/oil filters, and housings. Our quality is the same as the OEM or better at the fraction of the cost.

Let us quote your filter elements and see how much we can save you!

Industrial Sealing & Lubrication, INC
• 15430 S Keeler Street Suite A • Olathe, KS 66062 •
• P 913.334.5823 • F 913.334.9468 • islgroupp.com •



Portable Filtration



Our units are fully customizable to fit your needs, tell us what you would like to have on your unit and we will make it happen. Want it on a hand dolly? We can do that! Want it small enough to carry by hand? We can do that! Want it on a trailer? We can do that!

Protect and clean your industrial lubricants with our mobile filtration systems. Portable filtration units are ideal tools to remediate contaminated systems, flush new equipment during commissioning, or periodically decontaminate systems that have inadequate on-board filtration to meet target cleanliness levels. With industrial-duty pneumatic tires, sturdy frames, and quality components, our filtration systems are ideal for easy maneuverability around plant floors.

Maintenance reliability has to be done on your terms, not a pre-packaged filter cart.

Call or email us for a customized quote.

Industrial Sealing & Lubrication, INC
• 15430 S Keeler Street Suite A • Olathe, KS 66062 •
• P 913.334.5823 • F 913.334.9468 • islgrouper.com •

Innovative Filtration Solutions to Fit Your Needs

- [Hand Held Filtration Systems](#)
- [Filter Carts - Portable Low-Flow Filtration Systems](#)
- [Filter Skids - Portable High-Flow Filtration Systems](#)
- [Vacuum Dehydrator Oil Purification Systems \(Oil Purifier\)](#)
- [High Vacuum Transformer Oil Purification Systems \(HVTOPS\)](#)
- [LTC Filtration Systems](#)
- [Filter Presses](#)
- [Lube Oil Coalescers](#)
- [Bearing Lube Systems](#)
- [Fuel Coalescers](#)
- [Filter Housings](#)
- [PAO Systems](#)
- [Replacement Filter Elements](#)
- [Centrifuge Replacement](#)
- [BioDiesel Purification System](#)
- [High Flow Air Breather](#)
- [Fuel Polishing Systems for Diesel Generators](#)
- [Varnish Removal Systems](#)
- [Custom Built Units for your needs!](#)

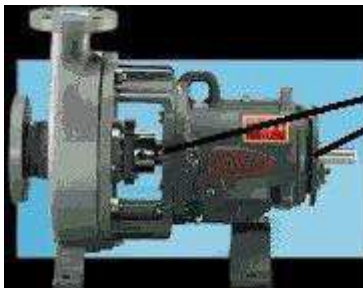
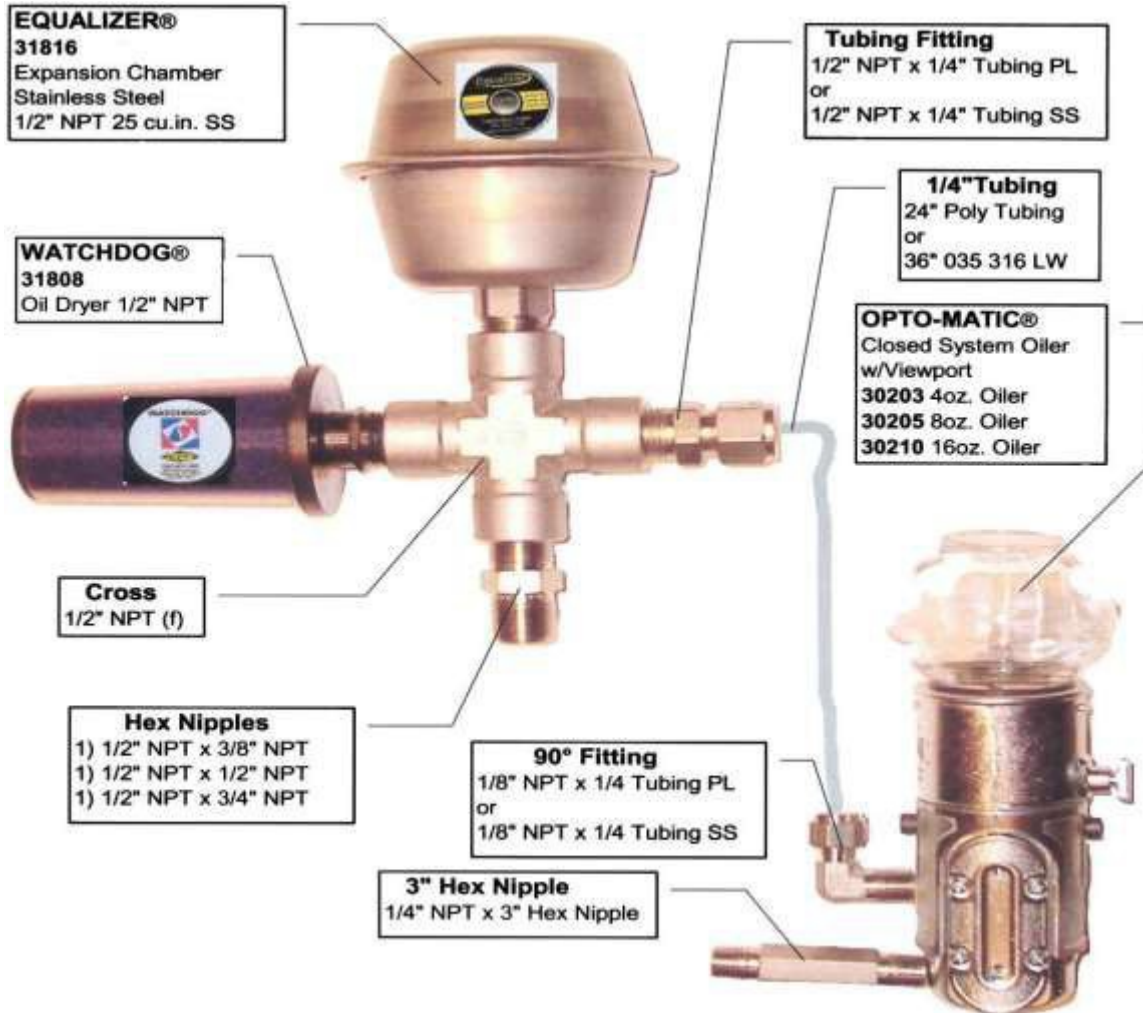




INDUSTRIAL SEALING
& LUBRICATION, INC.

Closed Lube System Kits

Close up your Pumps, Gearboxes, etc. and Extend your Equipment life.



Don't forget to put Isomag seals on the bearing housing to keep contamination out



Industrial Sealing & Lubrication, INC

• 15430 S Keeler Street Suite A • Olathe, KS 66062 •

• P 913.334.5823 • F 913.334.9468 • islgroup.com •



Isomag Magnetic Shaft Seals

Reliable, Versatile, Durable

Conventional bearing bracket seals use either lip seals or non-contacting labyrinth type bushings to reduce contaminants from entering the bearing area. They have little or no effect on vapors emitting from the bearing bracket. Lip seals wear out prematurely, usually in 1,000 hours or less, and cause shaft damage.

The stationary face is designed to float, constantly tracking the rotating face and forgiving misalignment. The entire ISOMAG assembly is durable by design. The self-protecting nature of the design and the unique materials of construction withstand years of harsh environments and repeated handling.

ISOMAG seals are engineered for versatility. A true face-to-face positive sealing device; ISOMAG operates in dry atmosphere or in lubricating environments. Flooded applications are common. The two piece seal assembly installs easily in either vertical or horizontal applications.



Industrial Sealing & Lubrication, INC

• 15430 S Keeler Street Suite A • Olathe, KS 66062 •
• P 913.334.5823 • F 913.334.9468 • islgroup.com •

Single Point Lubrication

M Unit



MSP Unit



E Unit



V Unit



- Electromechanical, gas charged, or spring loaded
- Cost effective
- Easy install/operate
- Adjustable dispensing
- Convenient for confined spaces
- Transparent—so it's easy to see lubricant levels
- Remote mount and multipoint install



Lubrication Systems



The automatic multi-line units provides centralized lubrication at a fraction of the cost of conventional grease systems. They are constructed of waterproof and corrosion resistant materials, making them ideal for all types of industry and can be used on applications with up to 60 points where a multi-line system can be installed.

The AX Range are of self-contained, automatic, electrically driven pump units, available with a maximum of 60 outlets in a choice of 110 or 240 volt rating. Larger models for special applications can also be supplied.

Integral pumping units deliver a precise volume of lubricant to each bearing feed line and in the event of accidental damage to one line the remaining lines are unaffected.



ROTALUBE THE NEW REVOLUTIONARY CHAIN LUBRICATION SYSTEM

The most precise method for applying lubrication oil onto industrial chain systems. It is a controlled applicator device that does not suffer from excessive wear. It will not 'clog-up' and maintains accurate lubrication whatever the condition of the chain and pins, loads and usage.

Maintenance reliability has to be done on your terms, we are here to help you. Call or email us for a customized quote.

Industrial Sealing & Lubrication, INC
• 15430 S Keeler Street Suite A • Olathe, KS 66062 •
• P 913.334.5823 • F 913.334.9468 • islgroup.com •

BEARING SHIELD

THERMOPLASTIC ANTI-CORROSION SYSTEMS

You already know that there is no better protection for your bearings than Enviropeel - but did you know it is also an effective guard for externally rotating shafts, fulfilling many shaft guarding safety requirements?

Enviropeel prevents corrosion and contamination, extending bearing lifetimes by 500% and more - but mobilizing an application team may not be practical for small or urgent maintenance requirements.

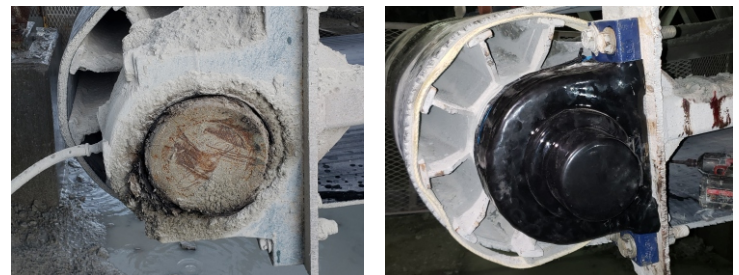
Enviropeel's new Bearing Shield is a brilliantly simple way to get great bearing protection on site. No complicated equipment or waiting time, everything you need is in the box, ready to go whenever you need it.

Each bearing shield is made to fit your bearing type and zips open for easy application, with a range of on-site customizations for different types of installation. The shields have a hard-wearing outer coating with an inner core of Enviropeel to ensure full substrate protection. Each unit has a zipper around the main body and velcro fastenings on the shaft cover to make the installation as easy as possible.



Above: Enviropeel Bearing Shield zipped on to substrate and open to show inside layer of Enviropeel.

Below: Unprotected substrate requiring replacement and a new bearing with Enviropeel Bearing Shield installed.



SIMPLE TO USE ...

- Ensure bearing is free from debris
- Apply thin film of corrosion inhibiting oil on surface of bearing and shaft prior to installation
- Fit shield to bearing, using zip and velcro strap to secure in place, ends can be cut and trimmed to suit bearing installation

Once in position, the zips and edges are sealed using supplied sealant application kit – ensure zip and edges remain clean

- Mix sealant components, pouring catalyst into resin and stir vigorously for 60 seconds
- Apply sealant evenly to zipper surface and to any edges or areas of potential ingress, for example around velcro strap.
- DO NOT APPLY SEALANT TO ROTATING SURFACES
- Allow minimum of 1 hour for sealant to cure before operation



Industrial Sealing & Lubrication

15430 S Keeler Street • Olathe, KS 66062

P: 1-800-431-5823 F: 1-866-244-8684

www.islgroup.com



INDUSTRIAL SEALING
& LUBRICATION, INC.

We know you don't need another supplier. You need more problem solvers. Let us start our relationship by looking at your headache applications to see if we can help. A conversation costs nothing to have and could save you time and money.

Sincerely,

David Consiglio

David Consiglio
President

15430 S. Keeler St. Ste A Olathe, KS 66062

Phone: 1-800-431-5823 Fax: 1-866-244-8684 info@islgroupp.com