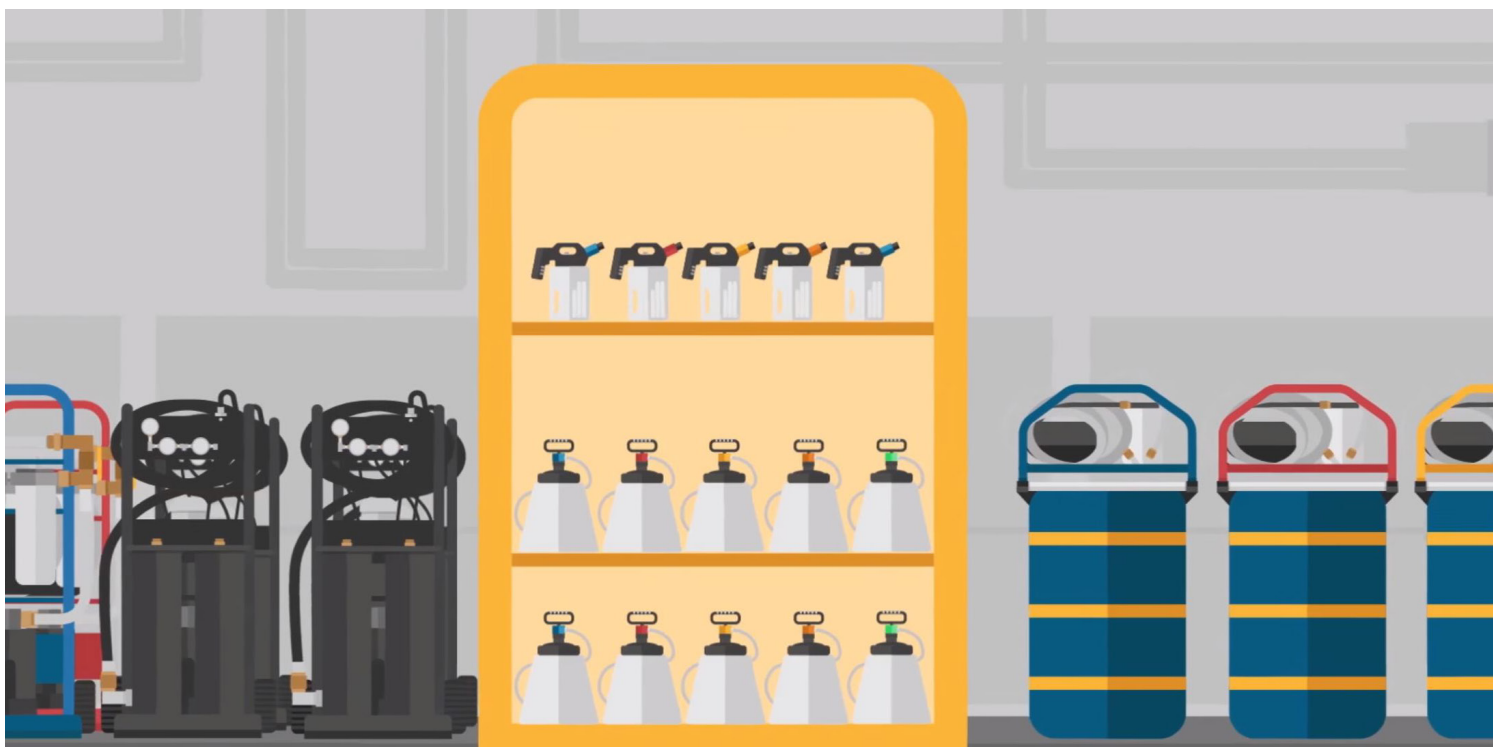


Lube Room Design

Custom Layouts & Installation Services





Wainbee is the market leader and trusted solution partner in Motion & Control, Filtration and Automation solutions. Our filtration specialists work with globally recognized brands and have over 40 years of experience providing customized solutions for all your Industrial and Process Filtration needs. We work with you to determine the optimum level of filtration and design systems for your plant reliability and give you peace of mind.

Engineered Systems, Products and Services

Since 1957, Wainbee has been supplying components and engineered systems to customers in a wide range of industries. By partnering with customers across a multitude of markets we are able to design new or enhance existing systems.

Coast-to-Coast Technical Support

As the market leader and one of Canada's largest industrial distributors, Wainbee has 14 offices with a comprehensive team of engineering and technical staff coast to coast. Our sales and tech teams are equipped to provide technical support from all our products, across all market and industry segments, for your application and productivity success.

Unsurpassed Customer Service

Wainbee is an employee-owned and managed Canadian company. We pursue excellence in our technical expertise, solutions and service, take pride in the work we do, and bring the best practices to our customers.

ADVANTAGES OF WAINBEE'S FILTRATION GROUP

We are structured to act as a field service team
By continuously being available to the plants, we are able to respond quickly, help identify potential problems and constantly seek out new opportunities to improve performance, reduce maintenance costs and extend machinery life.

We cover all aspects of filtration
We look at each item closely to assess performance and outcomes. We treat filtration as a critical functional component, not a commodity.

We represent proven products
We partner with manufacturers whose products and solutions outperform the competition, and have the ability to recommend the correct products to meet customer's specifications and demands, and not be held to a specific supplier's product limitations.



A leading provider of contamination control products and services for industrial lubricants, **Des-Case** helps customers improve lubricant quality, maximize equipment uptime and reliability, reduce costs and achieve an entirely new level of performance.

This is why many of the world's leading companies, distributors and OEM's trust Des-Case to aid them in keeping equipment and plants running smoothly.

- Desiccant Breather
- Fluid Handling
- Visual Oil Analysis
- Training & Consulting

Managed by application engineers with decades of in-plant experience, Des-Case Lubrication Transformation® Services offers training consulting and design services to evaluate lubrication issues and identify ways to address them. Focused on providing practical solutions for real world problems, Wainbee and Des-Case are committed to helping our customer change the way they think, act and feel about lubrication.

Our Lubrication Transformation® process of quantifying problems, designing lubricant solutions, executing the plan with you, educating your team on best practices, and measuring for success and continued improvement, has been proven again and again to be an ideal way to build a precision lubrication program.

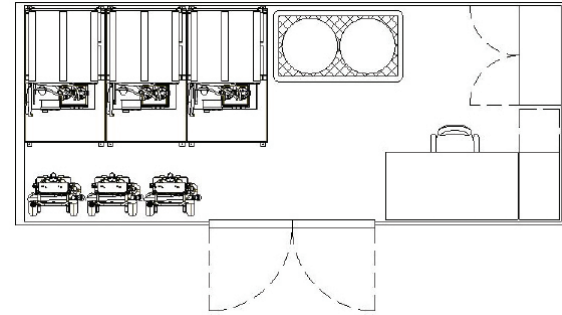


Bringing Best Practices into Your Lube Room

Getting Started

Getting started is easy! Simply provide us with a list of the lubricants you currently use in the plant along with an idea of typical usage. Then let us know the dimensions of the building area of the plant you intend to use as a lube storeroom and we will custom design the layout to provide the most efficient and ergonomic layout.

Whether your preference is to store lubricants in bulk, totes, barrels or pails, Wainbee and Des-Case can right-size the solution to your specific needs and provide a complete turnkey project plan from concept to bill-of-materials.



Before



Problems:

Barrels open to atmosphere subject to moisture and dust.

- **No pre-filtration** – new oil is not clean oil
- **No dedicated pump for each lubricant** – subject to cross-contamination, changing fluid properties
- **Dusty environment** - health and safety issues
- **Barrels cluttered** – possible use of wrong lubricant

After



Solutions:

Color coded reduces the risk of using wrong lubricant.

- **Pre-filtration** – introduces clean oil in system
- **One pump per fluid** – eliminates cross-contamination
- **Clean environment** – shows pride in the work place
- **Sealed to atmosphere** – better moisture and dust control

Bringing Best Practices into Your Lube Room

For many organizations, transforming an average lubrication program into a great one begins with lubricant storage and handling.

Aside from ensuring that new lubricants are housed appropriately, upgrading your lubricant storage practices positively affects how oils and grease are handled and instills a sense of pride in the lubrication team, helping overcome the challenges associated with changing the way maintenance is performed.

From Start to Finish

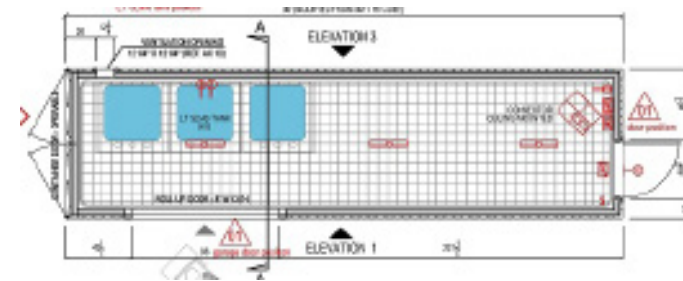
Not only can Wainbee and Des-Case make storage and handling recommendations, but we can also design and configure your lubricant storeroom for you. With decades of in-plant experience, our application engineers know what works and what doesn't. With custom designs based on plant layout, lubricant usage and industry specific requirements, our team can always offer a right-sized solution no matter what the challenge.

Each design is configured to maximize space utilization and ensure easy working areas are maintained. Designed with standard requirements such as spill containment and climate control in mind, each lube room is configured with the appropriate combination of storage and handling products, based on lubricant type and usage patterns. We can even create a custom color and shape based tagging system for you.

A Mobile Option

In some plants, space is at a premium. Where an appropriate room or building is simply not available, the Wainbee and Des-Case Team is able to custom design a completely self-contained, state-of-the-art, "plug and play" mobile lube room inside a standard 20'x8' or 40'x8' shipping container.

Designed with standard and optional features, such as spill containment, fire suppression, power and utilities, lighting and climate control, and equipped with storage and handling products, a mobile lube storeroom is an ideal solution where simplicity is required.



This is a 30 ft container mobile lube room designed based on lubricant usage of a client in the mining industry. It contains 8 Des-Case LT-LMS oil storage systems (Des-Case LT-Series Lubricant Management System), with fire suppression, insulation, heating, ventilation, electrical, chain hoist, and roll-up door.

Dedicated filtration per container ensures no cross-contamination of fluids, while disposable desiccant breathers prevent dirt and water ingress. These all-in-one systems are completely customizable, and they are easy to use and install . . . simply plug it in!

Specialty Filtration Products for Lubricant Protection

Integrated Motion & Control, Filtration and Automation Solutions

DESICCANT BREATHER



FLUID HANDLING



VISUAL OIL ANALYSIS



LUBRICANT STORAGE & HANDLING

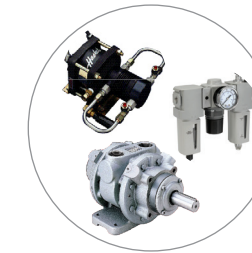


Hydraulics



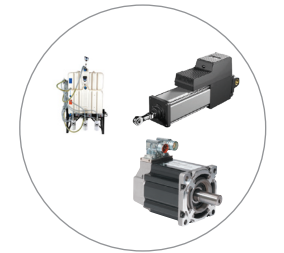
- Pumps & Motors
- Valves & Manifolds
- Cylinders & Rotary Actuators
- Accumulators & Thermal Systems
- Hoses, Fittings & Instrumentation

Pneumatics



- Valves
- Actuators & Grippers
- FRL Units & Compressors
- Air Pressure Amplifiers
- Air Motors & Gas Springs
- Tubing, Fittings & Instrumentation
- Vacuum Products

Electromechanical & Drive Control



- Electric Actuators
- Stepper & Servo Motors
- AC-DC Drives
- Cartesian & Gantry Systems
- HMI, Sensors & Controls

Filtration



- Hydraulic Filters
- Air Dryers
- Breathers
- Nitrogen Gas Generators
- Filter Carts
- Portable Purification Units

Material Handling, Tools & Clamping



- Hoists & Balancers
- Handling Devices & Conveyors
- Pneumatic & Electric Tools
- Clamps & Aluminum Framing
- ADE

Customized Systems & Services



- Hydraulic Power Units
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