

Sustaining Lubricant Health and Cleanliness to Maximize Performance



Des-Case supports the Chevron Keep Clean Preferred Vendor Program by offering a comprehensive suite of products and solutions that are necessary to implement and sustain a world-class lubrication program. We are here to provide the knowledge, subject matter expertise and product support to create lasting change towards a sustainable, world-class precision lubrication program for maximum plant efficiency and equipment uptime.



STORE & TRANSFER

Store & Transfer lubricants while keeping them clean and dry before they enter your equipment.



SEAL & PROTECT

Seal & Protect your equipment against the ingress of dirt and water.



FILTER & PURIFY

Filter & Purify your lubricants to ensure they are contaminant free throughout the oil's life.



VIEW & ASSESS

View & Assess your equipment's oil level and oil quality quickly and easily.



MONITOR & DIAGNOSE

Monitor & Diagnose problems so you can take action based on current or trending oil condition.



TRAIN & CONSULT

Train & Consult on lubrication issues and provide classes to help companies implement a best-in-class lubrication program.

SOLUTIONS TO START AND SUSTAIN A LUBRICATION PROGRAM

▶ AN ACTIONABLE PLAN

In order to develop a targeted plan for action, we first start with lubrication fundamentals. Baseline surveys and overview training take place with a review of critical assets for best practice.

▶ LUBRICATION BASELINE ASSESSMENT

This assessment focuses on critical areas with each being scored to determine an average score and grade for current lubrication practices to establish a baseline.

LUBRICANT INFRASTRUCTURE TOOLS

Your lubrication program requires tools to succeed in your lubrication journey. Des-Case is here to help you identify the right tool for your program and support you through our complimentary services offering.

▶ LUBE ROOM DESIGN

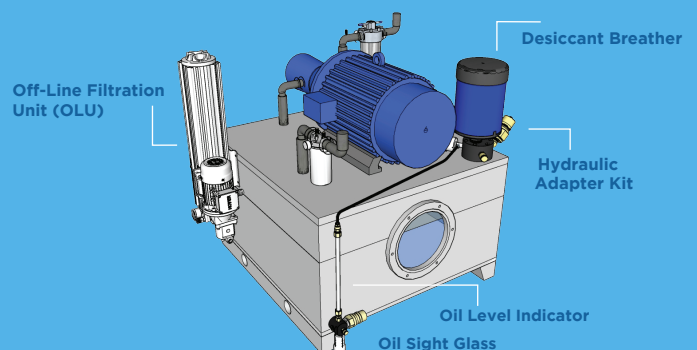
How lubricants are stored, handled and dispensed impacts every lubricated asset in your plant. Our Lube Room Design Service provides specific action items to close the gap between current and preferred practice, including:

- LT-LMS • Oil Transfer Containers • Drum & Tote Adapter Kits • Mobile Utility Carts & Drum Filter Carts • Panel Units & TC Stands

▶ EQUIPMENT MODIFICATION PLANS

Most new assets are not configured for precision lubrication. Our Equipment Modification Plans provide a complete list of modifications required to deploy lubrication best practices, including:

- Breathers & Adapters • Hydraulic, Gear & Drain Adapter Kits • Visual Oil Analysis (3D BullsEye®, Oil Sight Glasses, & Oil Level Indicators) • Mobile & Dedicated Filtration Units • Filter Elements



KEEP CLEAN TIPS: HOW DES-CASE PRODUCTS CAN HELP ENSURE YOUR LUBRICANTS STAY CLEAN, LONGER FOR MAXIMUM UPTIME AND PERFORMANCE.

PRO-TIP 1: PROPER STORAGE EQUIPMENT IS THE FIRST LINE OF DEFENSE

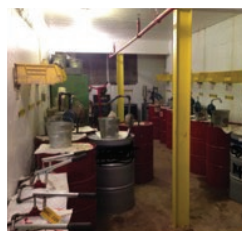
Problem: Improper storage can contaminate your clean oil.

One teaspoon of dirt in 55 gallons of oil can equate to about a billion particles 4 microns and larger, leading to shortened oil and equipment life.

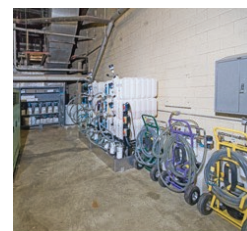
Creating a Lube Room doesn't have to be a painful and expensive process.

Cross-contamination can be a risk with improperly labeled oils.

Solution: Protect your clean oil by storing it in correctly tagged, sealed and clean containers for proper dispensing.



BEFORE



AFTER

PRO-TIP 2: TRANSPORTING FLUIDS IN A CLEAN MANNER IS A CRITICAL COMPONENT

Problem: Poor transfer methods can make your clean oil 2X dirtier.

Dirty funnels or other accessories will compound the problem to 4X the dirt.

More contaminants will enter the oil if you are not using appropriate breathers.

Cross-contamination and additional exposure to contaminants are an added risk when not using quick connects or proper labeling procedures.

OIL ARRIVES AT PLANT



ISOCLEAN® oil arrives at your plant

2X DIRT



Poor Storage and transfer methods add to the contamination

4X DIRT



Dirty accessories compound the problem

8X DIRT



Not using the proper breathers allow more contaminations to enter the oil

Solution: Oil transfer containers with breathers and quick connects keep oil clean and dry during the transfer process.

PRO-TIP 3: BREATHERS PREVENT MOISTURE AND PARTICLE INGRESS

Problem: Contamination leads to machinery failure by directly impairing the lubricant's ability to control friction, wear and corrosion.

Improperly sealed equipment lets water and contamination into your oil.

Water in the oil leads to sludge and varnish and decreases oil life.

It costs 10X as much to remove contamination than to exclude it.

Solution: Replacing the standard dust cap or OEM breather cap with a desiccant breather will reduce contamination by eliminating moisture and particles for longer oil and equipment life.



PRO-TIP 4: OFF-LINE FILTRATION KEEP FLUIDS CLEAN AND DRY

Problem: The OEM-supplied filtration, or lack thereof, is often not capable of achieving optimum particle and moisture cleanliness targets.

60-80% of mechanical failures are caused by contaminants in the lubricants that only off-line filtration can effectively remove.

The capture efficiency of supply and return line filters often cannot achieve or maintain the set ISO fluid cleanliness targets without dramatically impacting oil flow rates.

Three grams of contaminant in a 100 gallon reservoir circulating at 50 gpm = running 1,500 lbs. of contaminant through your system annually.

Solution: Actively filtering lubricants using either dedicated or portable solutions to acceptable cleanliness levels can dramatically improve industrial equipment performance and lubricant life, preventing production downtime and high machinery repair costs.



CALL YOUR DES-CASE REPRESENTATIVE AT 615-672-8800 ABOUT YOUR CHEVRON MARKETER PRICING AND OUR COMPLIMENTARY SERVICES OFFERINGS TODAY.

Learn more.

