

Keeping contamination under control.®



Pioneers in contamination control.

Why do the world's leading companies, distributors, and OEMs look to Des-Case? Because we understand the importance of fluid cleanliness and the role it plays in increased production, cost savings, and reliability. We've spent more than 25 years pioneering solutions specific to customer needs, helping improve lubricant quality, and maximizing equipment dependability.

Our comprehensive water and particulate contamination control products are used by hundreds of the world's top companies for a wide range of applications including gearboxes, reservoirs, and storage/process tanks.

From the time oil enters your facility to the end of its life, protecting it with Des-Case solutions will extend the life of your machinery, decrease your downtime, and could save you hundreds of thousands of dollars. Our innovative contamination control technology consists of rugged, high quality materials that are cost effective for nearly every application.

*An
imperative
link in the
reliability
chain,
Des-Case
helps you
effectively
control
contamination
before it
controls you.*



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Des-Case offers a full line of adaptable contamination control products.

Make us your definitive solution.

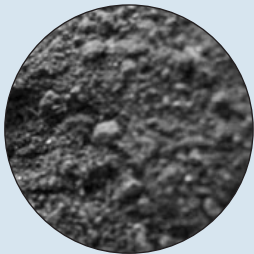
Contamination Control is Important

Count on the performance of your industrial equipment.

With increases in the cost of oil, greater desire to minimize usage and waste, and a compelling business case for prolonging equipment life, the economic and environmental reason for controlling contamination of lubricants – from the time oil enters a facility until it leaves – is stronger than ever. Maintaining clean oil is one of the best investments a company can make to keep equipment up and running, yet contamination often remains an overlooked factor behind premature machinery failure and diminished lubricant life.

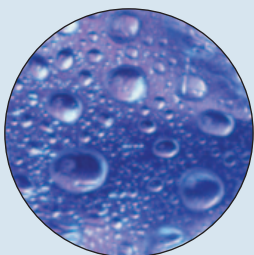
Reduced downtime, less oil usage, and lower repair and recycling costs all add up to significant savings when solid reliability practices are in place.

Two Major Sources of Lubricant Contamination



Dirt

If the atmosphere is contaminated, oil will become dirtier and lubricant quality becomes compromised. Particulate contamination, once inside an operating system, will accelerate the generation of new contaminants. These contaminants damage critical components and act as a catalyst for oxidation, further degrading the condition of lubricants.



Water

If the atmosphere is particularly humid or has frequent temperature fluctuations, the oil is probably moisture-laden and lubricant quality is compromised. Often times, plant wash down activities are responsible for inducing conditions that lead to moisture ingress and corrosion.

Des-Case products & services are the solution.

Des-Case products and services are designed to help companies achieve a new level of performance in maintenance and reliability. Combining unique services, a wide array of products, and solid support, Des-Case can help increase uptime, reduce costs, and gain greater efficiencies for your equipment.



Detection

Most people recognize that precision is an important part of a reliability driven maintenance program, but often struggle with how and where to start implementing changes. Des-Case's Lubrication TransformationSM Services are designed to help companies develop and deploy an executable plan to help them get to the next level. The Lubrication TransformationSM process can help you quickly identify the steps you need to take, help your team learn practical machinery lubrication, and perform cost-benefit analysis to assist you in your implementation.



Prevention

Getting clean, dry oil into machines (and keeping it that way) is one of the most fundamental elements of precision lubrication. Des-Case's lines of desiccant breathers, lubricant storage systems and oil transfer and filtration systems help plants meet or exceed the stringent contamination control targets necessary to achieve improved machine reliability and production uptime.



Removal

Filtration devices should be used to remove particles and water, further extending and preserving the working life of the oil. They are not just a tool for emergency remedial measures when dealing with contaminated lubricants and hydraulic fluids, but are an integral component of proactive maintenance. Des-Case provides a wide array of customizable, quality filtration units, from small, portable devices to full-featured storage and vacuum dehydration systems.

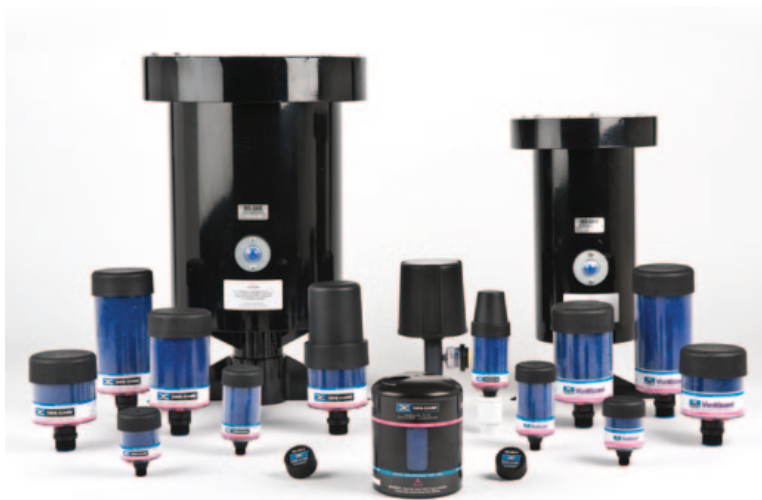
The Bottom Line

Now, implementing lubrication best practices – including maintaining clean, dry lubricants—and gaining the profitability that goes with it, is easier than ever. Des-Case's technical team can help you evaluate where you are, give you guidance on where to go, and provide the tools to get you there.

Breathers: Overview

Breathers:

the first line of defense against contamination



Desiccant breathers are a vital step in contamination control. Studies have shown 50 to 70 percent of lubricant contamination can come from outside the equipment. As most machines are designed to “breathe”, protecting the source of air-flow from moisture and particulate contamination is extremely

valuable for front-end protection and reliability optimization.

Des-Case desiccant breathers incorporate a high capture-efficiency filter to help sustain desired cleanliness levels by removing even minute particulate matter. They also create low relative humidity levels in the headspace, making condensation and absorption by the lubricant unlikely. When a system is properly fitted with a breather containing drying and filtration media, contaminant ingress is greatly reduced.

Installation of Des-Case® breathers at critical ingress points is a cost-effective means to prevent contaminants from entering the fluid reservoirs as differential pressures occur.

Reverse flow through the breather allows for regeneration of the desiccant and prevents oil vapors from entering the work environment.

Breather Products

Des-Case invented the desiccant breather and continues to invent new solutions to keep moisture and contaminants out of an increasingly valuable asset – your oil.

<p>Standard Disposable Breathers</p> 	<p>Environment</p> <ul style="list-style-type: none"> • Intermittent operations • Transformers • Storage Tanks • Totes • Hydraulics 	<p>Hybrid Breathers</p> 	<p>Environment</p> <ul style="list-style-type: none"> • Gearboxes and other low-flow applications • High-humidity applications
<p>Extreme Duty Breathers</p> 	<p>Environment</p> <ul style="list-style-type: none"> • Harsh environments • Mobile equipment • Nautical applications 	<p>Rebuildable Steel Breathers</p> 	<p>Environment</p> <ul style="list-style-type: none"> • Hydraulic reservoir • Bulk oil storage • Diesel tank storage • Chemical/harsh environments • High-flow applications
<p>Non-Desiccant Breathers</p> 	<p>Environment</p> <ul style="list-style-type: none"> • Low humidity applications • Arid, high dust environments • Applications that create “oil misting” 	<p>Customizable Desiccant Breathers</p> 	<p>Environment</p> <ul style="list-style-type: none"> • Intermittent operations • Transformers • Storage Tanks • Totes • Fumes