



STIP



Store



Protect



Transfer



Identify

**KEEPING LUBRICANTS PRISTINE
WITH OILSAFE TOOLS**



Table Of Contents

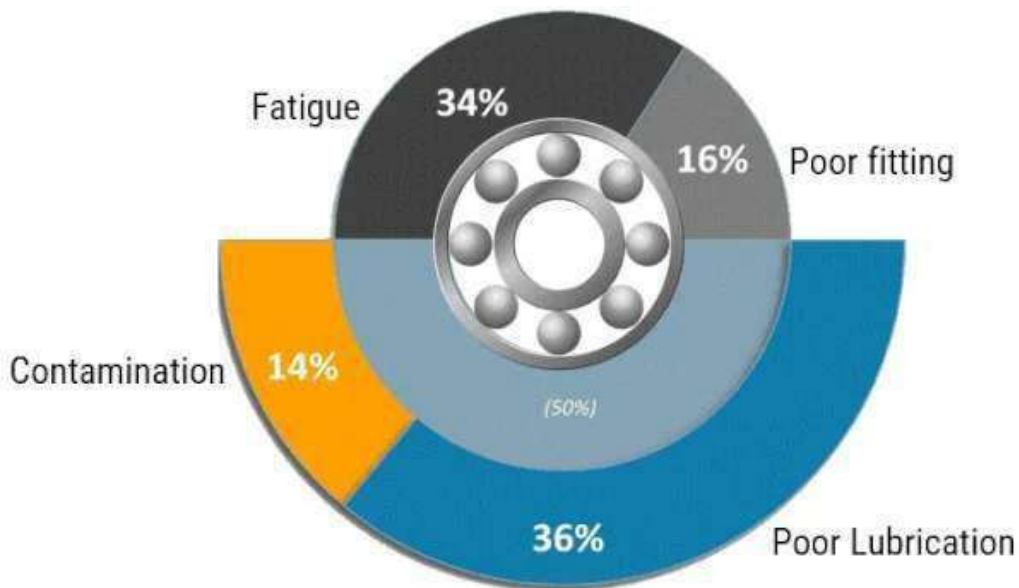
Storage	5
Transfer	11
Identify	14
Protection	23
Summary of the STIP concept	26

As we delve deeper into the world of industrial innovation, following the invaluable lessons from “Machinery’s Hidden Heroes - The Lubricants,” we are excited to introduce the next chapter in this remarkable story. Step into a domain where precision aligns with protection, and maintenance transforms into true mastery - welcome to the world of the STIP concept.

STIP

In the constantly advancing world of machinery and engineering, proper lubrication plays a critical role. It’s the essential force that keeps bearings spinning, gears moving, engines running, and systems operating smoothly.

Lubricants have proven to be vital yet often overlooked components in industrial systems, operating silently to minimize friction, reduce wear, and ensure the continuous, efficient functioning of mechanical processes.



In industrial machinery, bearings are crucial components that serve both as silent enablers of performance and as potential points of failure. Notably, nearly 50% of all bearing-related issues stem from contamination, an invisible threat that undermines efficiency and accelerates wear. To combat these challenges, the STIP concept - Storage, Transfer, Identification, and Protection - provides a structured framework to mitigate these risks. Building on this foundation, we now introduce an innovative solution: OilSafe tools, designed with precision to address the complexities of lubricant management and safeguard bearing integrity.



STIP-formula: Storage-Transfer-Identify-Protect

Now, the stage is set for the logical progression, the seamless continuation of this narrative – the introduction of **OilSafe Tools**, a dedicated arsenal crafted to complement and enhance the indomitable power of lubricants. Embracing the STIP principle - **Storage, Transfer, Identification, and Protection** - these tools stand as sentinels, fortifying the unyielding bond between machinery and lubricant.

Storage

Storage takes on a new dimension as we delve into purpose-built solutions that provide a safe haven for lubricants, shielding them from environmental hazards and ensuring their readiness when the call of duty arises.

Proper storage and handling of lubricants are crucial to ensuring their quality, effectiveness and longevity.

A designated lubricant storage room serves as **the cornerstone of effective lubrication management** within industrial facilities. This purpose-built space is meticulously designed to safeguard the quality, integrity, and longevity of stored lubricants.

With controlled temperature and humidity, it provides an environment that shields these essential fluids from the corrosive effects of extreme conditions.

Equipped with specialized storage units, each lubricant finds its designated place, preventing cross-contamination and confusion.

Thoughtfully placed safety features, including limited access doors and proper lighting, ensure both personnel security and efficient inventory management.

The presence of **advanced filtration systems** guarantees that contaminants are kept at bay, while dedicated workspaces with computers facilitate seamless tracking of inventory, sampling, and maintenance activities.

In essence, a designated lube storage room stands as a sanctuary for lubricants, a space that optimizes their performance, prolongs their life, and elevates the reliability of the machinery they nourish.

Protocols

Storage Environment: Lubricants should be stored in a clean, dry, and well-ventilated area.

Temperature and humidity control are essential to prevent degradation. Avoid exposing lubricants to direct sunlight, extreme temperatures, or fluctuations.

Containers: Lubricants should be stored in their original, tightly sealed containers to prevent moisture absorption and contamination. If transferring lubricants to different containers, ensure they are clean, dry, and suitable for the specific lubricant type.

Proper Labeling: Clearly label all containers with essential information, including lubricant type, grade, date of receipt, and expiration date. This helps prevent mix-ups and ensures you use the right lubricant for the intended application.

First-In, First-Out (FIFO): FIFO is a critical principle in inventory management, especially in businesses that deal with perishable goods or products that have expiration dates. When new lubricants arrive, the older inventory should be sold or used before the newer items. This prevents the storage of lubricants beyond their shelf life.

Handling Equipment: Use dedicated equipment to avoid cross-contamination. Contaminants like dirt, debris, or even incompatible lubricants can compromise the performance of the lubricant.

Prevent Water Contamination: It is important to prevent water contamination in lubricants due to the negative impact it can have on their effectiveness and the potential for corrosion. By storing lubricants away from water sources and ensuring proper container sealing, you can help maintain the integrity and performance of the lubricants, ultimately extending the lifespan and efficiency of machinery and equipment.

Minimize Air Exposure: Exposure to air can cause oxidation and degradation of lubricants. By minimizing the time the container is open and quickly resealing it after dispensing, you can help maintain the quality and effectiveness of the lubricant, ensuring that it continues to provide optimal performance in machinery and equipment.

Cleanliness: Maintaining cleanliness in the storage and handling area of lubricants is essential to prevent the introduction of contaminants that can degrade lubricant quality and equipment performance. Regular cleaning of storage shelves, equipment, and work surfaces helps ensure that lubricants remain effective and reliable in reducing friction and promoting smooth machinery operation.

Training and Education: Provide proper training to employees on the importance of correct lubricant storage and handling procedures. Ensure they understand the potential risks and consequences of improper practices.

Regular Inspections: Conducting regular inspections of stored lubricants is a **proactive approach** to maintaining their quality and ensuring optimal machinery performance. By checking for signs of contamination, degradation, or leaks and addressing any issues promptly, you can prevent further problems, extend the life of machinery, and promote smooth operations.

Shelf Life Management: Managing the shelf life of lubricants involves: tracking expiration dates, using older lubricants before newer ones, and promptly replacing expired products. By implementing these practices, you can ensure that lubricants maintain their effectiveness, extend machinery life, and reduce the risk of equipment issues due to degraded or expired lubricants.

Sampling and Testing: Regular sampling and testing of lubricants are essential practices to monitor their quality, performance, and suitability for use. By identifying potential issues early and making informed decisions based on test results, you can ensure that lubricants continue to provide effective protection and help maintain the overall efficiency and longevity of machinery and equipment.

By following these protocols, businesses can optimize lubricant performance, extend their shelf life, and reduce the risk of equipment failure due to poor lubrication practices. Proper lubrication management can ultimately lead to improved equipment reliability, longer lifecycles, and cost savings.

Bulk Storage Systems

Bulk storage systems, such as **OilSafe**, **Lustor**, and **Lubristation**, stand as indispensable pillars within a modern lube room, revolutionizing the way lubricants are managed and dispensed. These innovative units redefine efficiency and precision by seamlessly integrating storage, handling, and controlled transfer of lubricants.

OilSafe introduces a new level of organization with its colour-coded containers and cutting-edge dispensing solutions. **Lustor**, a trusted name in lubricant storage, redefines reliability through durable tanks and advanced monitoring capabilities. Meanwhile, **Lubristation** emerges as a beacon of efficiency, streamlining lubrication processes with centralized management and custom solutions.

Together, these bulk storage systems redefine the lube room landscape, ensuring cleaner, safer, and more optimized machinery operations.



OilSafe Bulk Systems



Lustor Storage Systems

THE STORAGE SYSTEM THAT GUARANTEES CLEAN OIL

Lustor Storage Systems



Lubristation Storage Systems

CUSTOM MADE UNITS, ASSEMBLED WITH MODULAR COMPONENTS

Lubristation Storage Systems

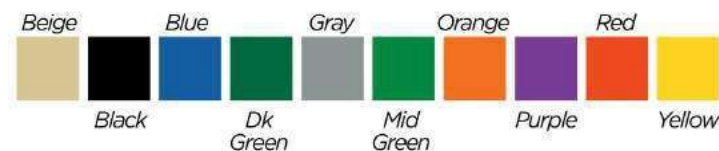
Transfer

Oil cans are valuable tools for the controlled and efficient transfer of lubricants. They address issues related to cleanliness, contamination prevention, and accurate application, enhancing the overall effectiveness of lubrication processes in industrial and mechanical operations.



The OilSafe system offers several benefits:

Colour-Coding: Each container and lid in the OilSafe system is assigned a specific colour, representing a particular type of lubricant. This makes it easy to visually identify and differentiate between different lubricants, preventing mixing or cross-contamination.



The 10 OilSafe colours

Clean and Contaminant-Free Storage: The sealed containers and lids in the OilSafe system help keep lubricants free from contaminants, moisture, and airborne particles. This is crucial for maintaining the quality of the lubricants and preventing degradation.



Storage and utility lid

Easy Dispensing: OilSafe containers are designed with ergonomic handles and easy-to-use pumps, allowing for controlled and precise dispensing of lubricants. This reduces spillage and wastage while promoting accurate lubrication.



The 3 spout lids: mini, stumpy and stretch

Versatility: The OilSafe system offers a variety of container sizes and accessories, making it adaptable to different lubricant storage and transfer needs. From small oil cans for manual application to **larger containers for bulk storage**, the system provides a comprehensive solution.



Organization and Efficiency: The organized and standardized approach provided by the OilSafe system simplifies lubricant management. This leads to increased efficiency in maintenance operations and helps reduce downtime.

In industries where machinery and equipment rely on various types of lubricants, the OilSafe system can contribute significantly to the overall maintenance process. It ensures that lubricants remain clean, correctly labeled, and easy to dispense, all of which contribute to extending the lifespan of machinery and maintaining operational efficiency.

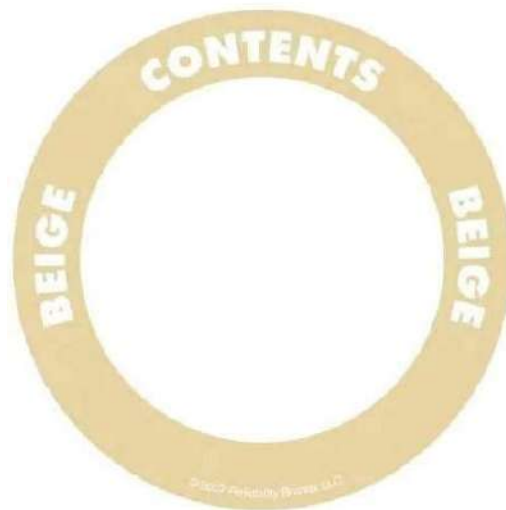
Identify

Labeling is a critical aspect of proper lubricant storage and handling practices. It helps ensure accurate identification, prevents mix-ups, and contributes to the overall effectiveness of a lubrication program. Here's a closer look at the importance of labeling:

Colour-Coding and Symbol Systems:

Colour-coding is a helpful method for quickly distinguishing between different lubricants or equipment types.

However, relying solely on colour can be limiting when dealing with numerous lubricants, as subtle colour variations may not be easily distinguishable.



Combining colour-coding with symbols or shapes adds a second layer of identification, allowing for a more comprehensive and distinct labeling system.

Symbol systems can greatly expand the number of unique combinations, making it easier to identify and match lubricants with specific applications.

Symbols used on lubricant labels often provide quick visual cues about the intended **applications, properties, and qualities of the lubricants**. However, the specific symbols used can vary by manufacturer, region, and industry.



OilSafe labels with 10 symbols and colours

Here are some examples of symbols you might find on lubricant labels and their potential meanings:

Star Symbol: This symbol might indicate that the lubricant meets high-quality standards or has certain performance certifications.

Cross Symbol: A cross could indicate that the lubricant is suitable for extreme pressure applications or has anti-wear properties.

Gear Symbol: This symbol could signify that the lubricant is designed for gear applications, such as gearboxes.

Drop Symbol: This symbol may represent oil droplets and could indicate that the lubricant is suitable for lubricating chains or other parts that require precise oil application.

Temperature Symbols: Symbols indicating temperature ranges, such as snow flakes for low temperatures or flames for high temperatures, can suggest the lubricant's performance range.

Recycling Symbol: A recycling symbol might be used to indicate that the packaging is environmentally friendly or recyclable.

Environmental Symbol: A leaf or other nature-related symbol might suggest that the lubricant is environmentally friendly or biodegradable.

Water Drop Symbol: This symbol could imply that the lubricant is water-resistant or suitable for wet conditions.

Wrench Symbol: A wrench or tool symbol might indicate that the lubricant is intended for maintenance or mechanical applications.

Checkmark or "Approved" Symbol: This symbol could indicate that the lubricant has been approved by certain industry or OEM standards.

Industry-Specific Symbols: Some industries might use specific symbols to indicate suitability for their applications, such as automotive symbols for automotive lubricants or food-related symbols for food-grade lubricants.

Remember that the meanings of symbols can vary, and it's important to consult the manufacturer's documentation or guidelines to understand the specific meanings of symbols on their labels.

Benefits of Effective Labeling:

Prevention of Cross-Contamination: Proper labeling prevents the accidental mixing of different lubricants, which could lead to performance issues, equipment damage, or safety hazards.

Enhanced Organization: Clearly labeled containers, equipment, and storage areas lead to a well-organized lubrication system, saving time and reducing errors during maintenance activities.

Accurate Application: Accurate labeling ensures that the right lubricant is used for the right equipment, minimizing the risk of improper lubrication and related problems.

Compliance and Recordkeeping: Clear labeling assists in meeting regulatory requirements and simplifies recordkeeping, making it easier to track lubricant usage, changes, and inventory levels.

Safety: Proper labeling contributes to workplace safety by reducing confusion, minimizing the risk of mishandling, and promoting good housekeeping.

Investment in Quality Labeling:

While implementing an effective labeling system may require an initial investment in time and resources, the benefits in terms of reduced errors, improved efficiency, and enhanced equipment reliability far outweigh the costs.

Quality labeling supports the overall lubrication management strategy, ensuring that lubricants remain clean, cool, and properly identified throughout their storage and handling lifecycle.

OilSafe Labels

Introducing OilSafe Labels – where information becomes the cornerstone of effective lubrication. These labels are more than just identifiers; they are the compass guiding your maintenance practices to unparalleled accuracy.

With **various sizes, materials, and styles** to choose from, OilSafe Labels adapt to your unique needs. From compact components to massive machinery, the right size is at your fingertips. Crafted from durable materials, these labels stand resilient against the harshest environments, preserving clarity and reliability.

With customizable content labels, your specific details find a perfect home – ensuring precise identification and application. And if efficiency is your aim, pre-printed labels streamline processes while maintaining consistency.

For those seeking the pinnacle of personalization, custom labels offer tailored solutions to align seamlessly with your workflow.

Dive into the world of OilSafe Labels – where information transforms into a catalyst for precision in lubrication management.



Explore OilSafe Identification Labels

OilSafe Label Holders

When it comes to meticulous lubrication management, precision goes beyond just the content itself – it extends to how that information is presented and accessed. Here, the role of **labelholders** becomes vital in ensuring that the critical details of lubricants remain accessible, accurate, and unblemished.

Introducing

OilSafe labelholders, a dynamic addition to the world of industrial maintenance. These holders seamlessly marry form and function, securing labels with unwavering tenacity while enhancing visual organization.

Crafted with an eye for durability, OilSafe labelholders shield essential information from environmental elements, making sure that clarity persists even in challenging conditions.

As a gateway to effective storage and handling practices, OilSafe labelholders contribute to a streamlined workflow, heightened safety, and the preservation of lubricant integrity.



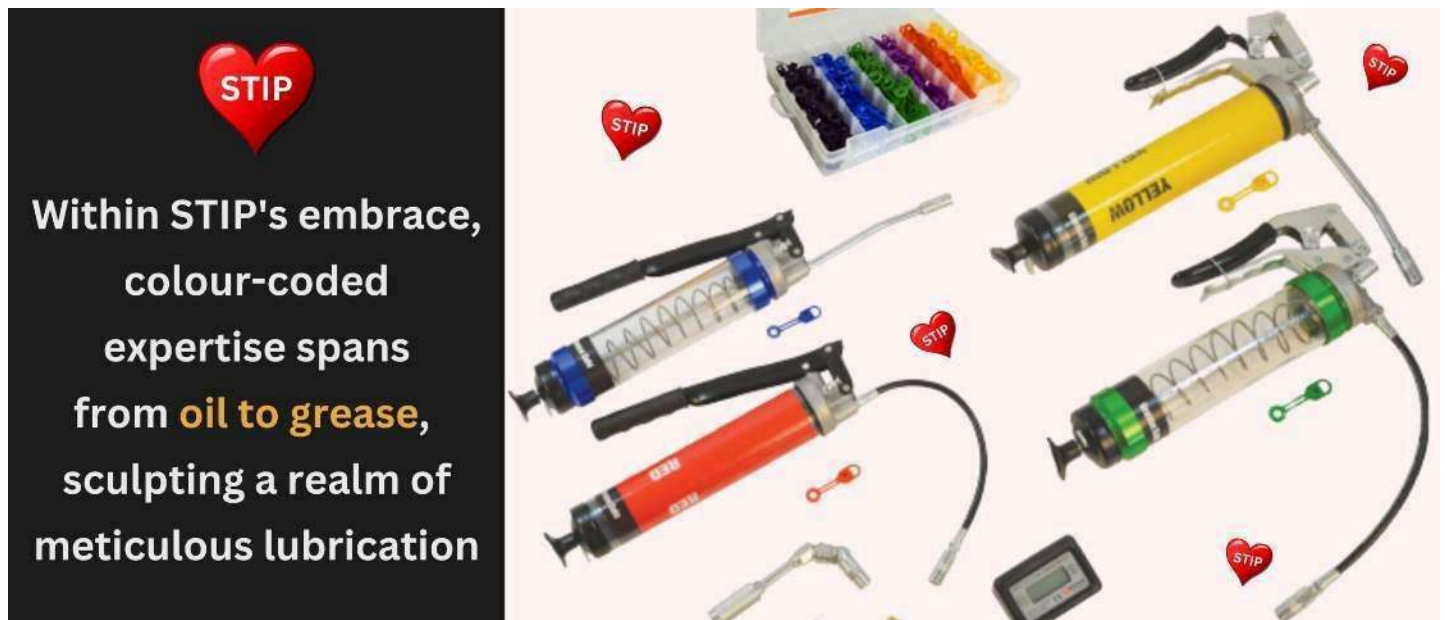
OilSafe Labelholders

Proper labeling, whether through colour-coding, symbol systems, or a combination of both, plays a crucial role in maintaining the integrity of lubricant storage and handling practices. It contributes to efficient operations, reduced risks, and optimized equipment performance, making it an **essential component** of any successful lubrication program.

Though the STIP concept may initially seem centered on oil-related aspects, it's imperative to recognize its broader horizons. Notably, the integration of colour-coded grease equipment, coupled with fitting protectors and accompanying accessories, holds a prominent place in upholding the purity and vitality of lubricants.

His realization places a spotlight on the vibrant colour-coded facet within STIP – a testament to its adaptability across both oil and grease contexts. Because, at its essence, effective lubrication management comprehends the diverse palette of lubricants, securing peak performance in every domain, from bearings to the entirety of lubrication practices.

STIP:
*Embracing colour-coded precision for both oil and grease,
elevating maintenance practices.*



Protection

Having traversed the landscape of Storage, Transfer, and Identification tools, we now pivot our attention towards a paramount facet – **Protection**. In the realm of lubrication management, safeguarding the integrity of fluids is of utmost importance, and this is precisely where tools like OilSafe and Air Sentry shine.

OilSafe, a beacon of protection, goes beyond its role as a container system. It's a fortress for fluids, shielding them from contaminants and preserving their quality. **Air Sentry**, on the other hand, stands as a vigilant **guardian against the infiltration of harmful particles**, ensuring the air breathed by your machinery is clean and pure.

*Desiccant breathers:
purging moisture and particulates from equipment.*

In the pursuit of pristine lubrication, these tools become indispensable allies. They are the gatekeepers, ensuring that the fluids coursing through your machinery are as unblemished as the day they were introduced. As we delve into the domain of Protection, OilSafe and Air Sentry take the stage as the champions of uncompromised quality and enduring reliability.

Desiccant Breathers

In 1997, **Air Sentry** pioneered contamination control breather technology, introducing cutting-edge features that effectively reduced moisture and particulate contamination. Leading the way, the Air Sentry breather line introduced industry-first innovations, including integrated **check valve technology** and **easily replaceable desiccant/filiter cartridges**, offering cost-effective maintenance solutions.

Spanning a diverse spectrum of applications, Air Sentry products provide comprehensive options. From Good (Z-Series & D-Series) to Better (X-Series) and Best (Guardian), each is tailored to full specific application and duration needs.



Characterized by its Clear View 360 Degree Design, these breathers offer effortless monitoring. The colour-changing silica gel transforms from gold to dark green as it absorbs moisture, offering a clear visual signal that the breather is efficiently maintaining its role.



The silica gel turns from yellow to green

Summary of the STIP concept

The STIP concept is an essential framework that aims to improve oil storage and transportation processes while also ensuring the safety of the oil being transported and stored. The formula comprises four critical elements: Store, Transport, Identify, and Protect.

The first element, Store, refers to oil bulk storage systems. These systems are designed to store oil safely and securely, ensuring that the oil is not exposed to environmental elements or contaminants that could potentially compromise its quality. Proper storage of oil is crucial to prevent contamination, spills, and leaks that could cause severe damage to the environment and harm human health.

The second element, Transport, refers to OilSafe drums and lids. These drums and lids are specially designed to ensure safe and efficient transportation of oil from one location to another. OilSafe drums and lids are built to withstand the rigors of transportation and to protect the oil from damage during transit. They are also designed to prevent leaks, spills, and contamination, thereby ensuring that the oil arrives at its destination in optimal condition.

The third element, Identify, refers to OilSafe label holders and labeling. These label holders and labeling systems are critical to identifying the type of oil being stored or transported, as well as its properties and any associated hazards. Proper labeling is essential for the safe handling and transportation of oil, as it ensures that everyone involved in the process is aware of the oil's properties and potential hazards.

The final element, Protect, refers to protecting oil by means of Air Sentry desiccant breathers. These breathers are designed to prevent the ingress of moisture, dust, and other contaminants that could compromise the quality of the oil. By protecting the oil from these contaminants, Air Sentry desiccant breathers help to extend the oil's lifespan and maintain its quality.

Overall, the STIP formula is a comprehensive framework that covers every aspect of oil storage and transportation. By implementing this formula, companies can ensure that their oil is stored and transported safely, efficiently, and in optimal condition. This not only protects the environment and human health but also helps to maximize the value of the oil and improve overall operational efficiency.

Join us as we unlock the potential of the **STIP concept**, where OilSafe Tools and lubricants harmonize to create a symphony of reliability, longevity, and unparalleled performance. As we embrace this new era, remember: it's not just about tools; it's about empowering our hidden heroes to shine even brighter, as we march towards a future where precision and protection reign supreme.

Welcome to a world where machinery's heartbeat is a testament to the art of lubrication, guided by the STIP concept and powered by OilSafe Tools.

