

FUCHS Special Applications

Lubricants and Services for the Food & Beverage Industries



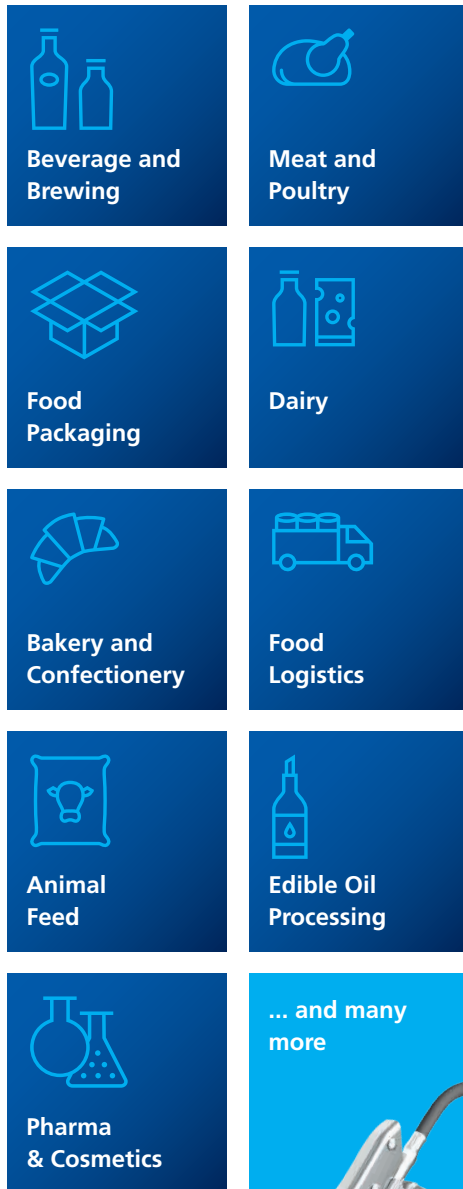
MOVING YOUR WORLD



CASSIDA

Food Grade Lubricants.

Industries served by
FUCHS Food Grade Products



Product portfolio

- Chain oils
- Compressor fluids
- Direct contact fluids
- Gear fluids
- Hydraulic oils
- Maintenance fluids & specialties
- Regular & heavy duty greases
- Extreme pressure greases
- White-oil-based products
- Automatic lubricators
- Vacuum pump fluids
- Semi-synthetic products
- Petroleum jelly
- Liquid polymer
- Solvent-based cleaners
- Water-based cleaners

Our products are ISO 21469 certified

ISO 21469 is an internationally recognised certification process that gives the additional level of safety & security to food-grade lubricants, ensuring that such lubricants are truly "safe" in the event of incidental food contact.

The certification considers not only the formulation of the lubricant itself but also the traceability of ingredients and proof of lubricant GMP (Good Manufacturing Practice). When food safe auditors require evidence, ISO 21469 is the highest level of compliance and lubricant safety assurance. FUCHS is proud to have been one of the first lubricant manufacturers in the UK to achieve this accreditation.

ISO 21469 states every NSF H1 lubricant is tested in its laboratories. It also requires that the Fuchs manufacturing plant is audited annually and calls for a clean and hygienic environment and manufacturing practices. Use of dedicated vessels and manufacturing areas for food grade lubricants is essential and it guarantees protection from cross contamination during the production process.

All CASSIDA products are NSF registered, and CASSIDA production sites are also certified as per ISO 21469. This proves, beyond doubt, that we use the safest of raw materials and that we manufacture using state-of-the-art equipment, using the best practices and in a clean and hygienic environment.



NSF Registered
ISO Certified



Kosher
Certified



Halal
Certified



Company
Member



In Partnership
With



FUCHS Smart Services

MOVING YOUR WORLD

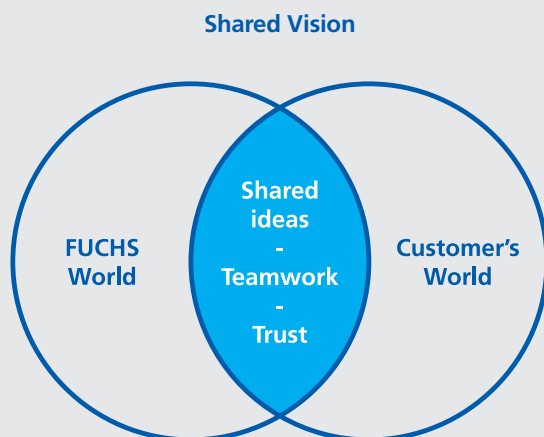


Understand

Assess and Analyse

There's more to lubrication than just oil

FUCHS Smart Services bring far more to the table than “just” a product. Instead, we combine performance fluids, digital technologies and a wide range of services into customised solutions.



FUCHS SOLUTIONS

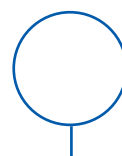


FUCHS PROCESS



Scan Me
For more information on
FUCHS Smart Services

Understanding your unique operational environment is the cornerstone of effective lubrication management. Our 'Understand' phase involves comprehensive assessments and analyses, including holistic auditing, risk assessment, and data analysis. By evaluating your processes, equipment and specific lubrication requirements, we identify areas for improvement and tailor solutions to meet your needs. This foundational understanding enables us to develop and implement strategies that enhance performance, reduce downtime, and contribute to the overall efficiency and sustainability of your operations.



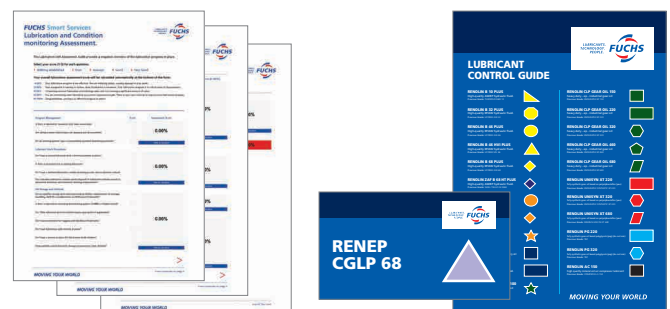
Strategy

A set of processes that can be adapted to any market sector, focusing on the customer's specific requirements.



Benchmark

Audit and review existing standards against industry best practice to create a roadmap with key milestones.



Stage 1 – LCM assessment

- Audit current practices and procedures
- Identify improvement areas from oil storage, lubrication and condition monitoring
- Implement lubrication and condition monitoring strategy / action plan
- Regular review of lubrication activities

Stage 2 – Lubrication survey

- Capture & catalogue all areas and asset lubrication points
- Product Selection and rationalisation
- Product alternative lists
- Identify safety improvements
- Review lubrication tasks, quantity and frequencies



Develop

Plan and Set-Up

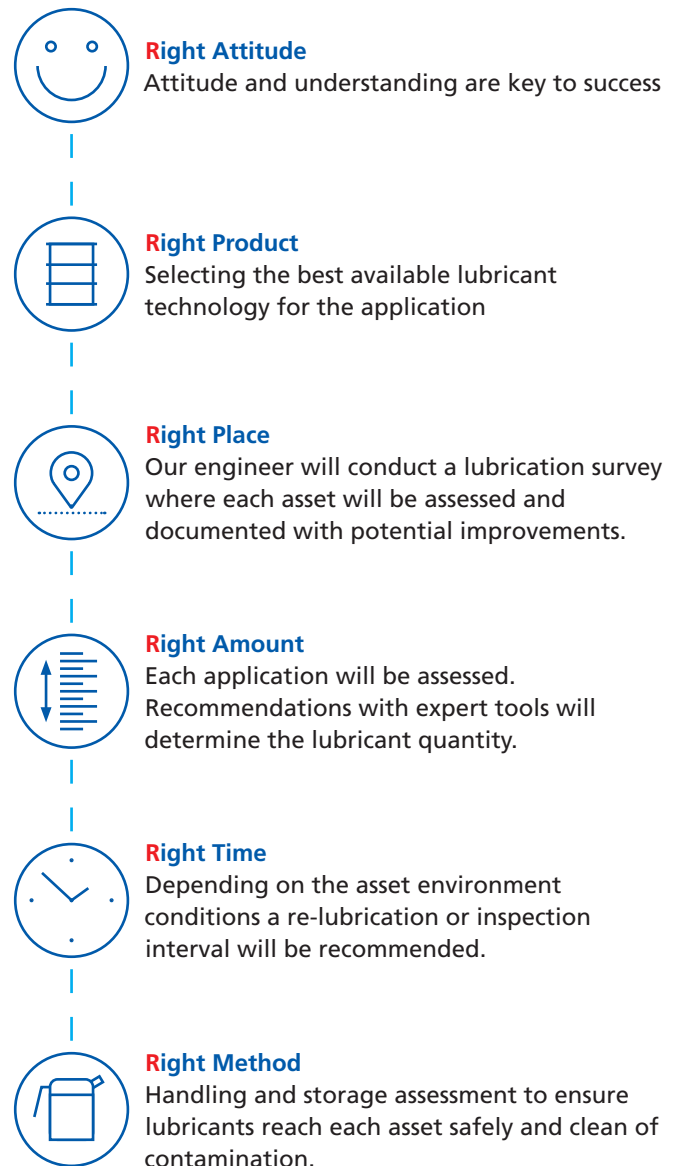
A successful maintenance strategy begins with the implementation of a robust lubrication management plan. By proactively minimising contamination and ensuring optimal lubrication practices, the risk of lubricant degradation and asset failures is significantly reduced. A well-structured lubrication strategy not only extends equipment lifespan but also enhances operational efficiency, reliability, and cost-effectiveness. We are committed to providing innovative lubrication solutions that support sustainable maintenance practices and drive long-term asset performance.



Manage

Implement and Operate

Lubricant budgets can typically range between 2-4% of a maintenance budget: but if managed incorrectly with bad practices, wrong product selection and employee awareness, that budget can unnecessarily diminish rather quickly through unplanned downtime. We believe the fundamental foundation of a reliability programme is well-planned lubrication and a best practice regime. A holistic approach to lubrication management starting with the 6R's principles will have a positive impact on the environment by consuming less energy, improving asset value with increased life cycles whilst maximising production availability.

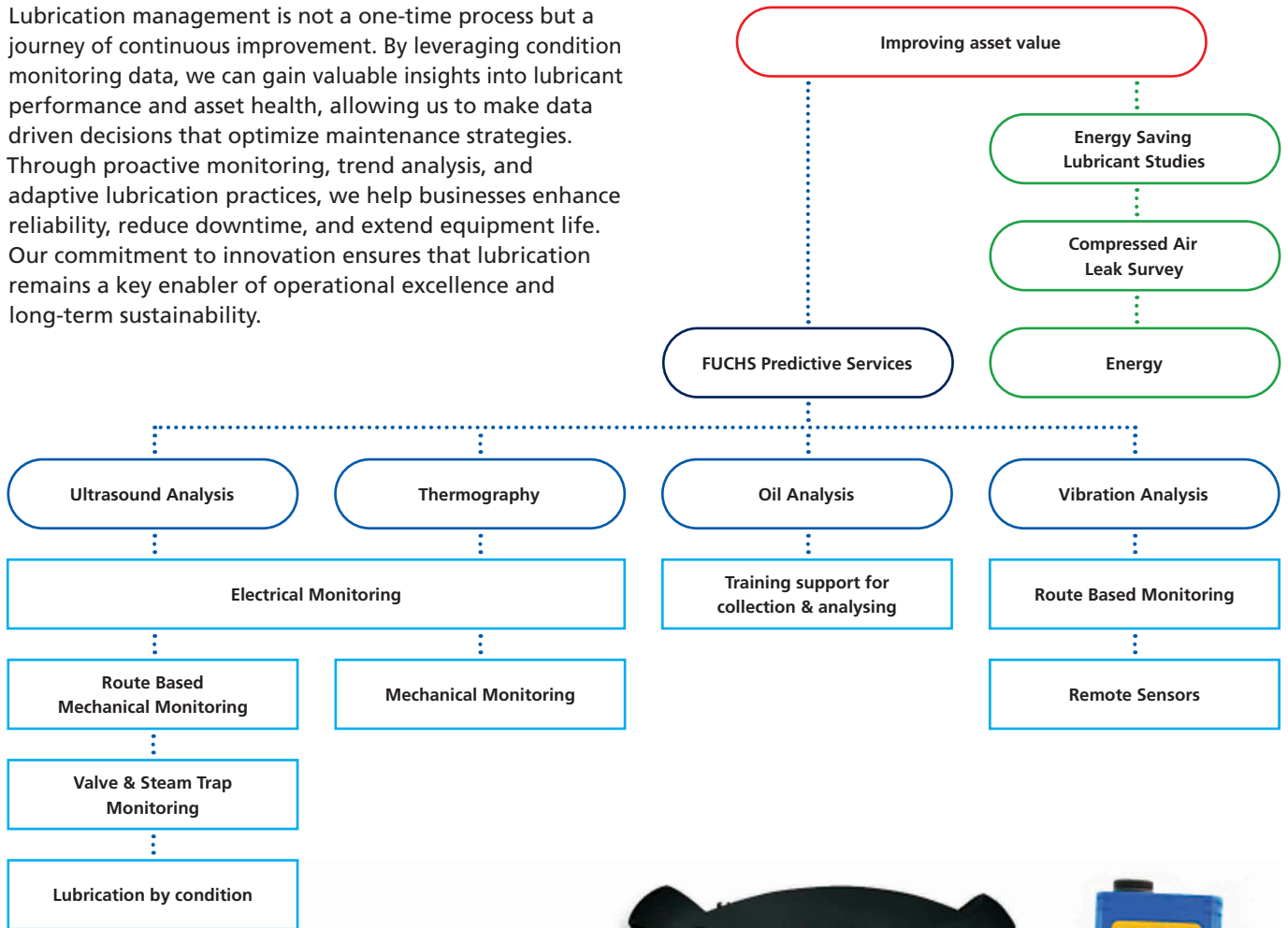




Optimise

Fine-tune and Re-use

Lubrication management is not a one-time process but a journey of continuous improvement. By leveraging condition monitoring data, we can gain valuable insights into lubricant performance and asset health, allowing us to make data driven decisions that optimize maintenance strategies. Through proactive monitoring, trend analysis, and adaptive lubrication practices, we help businesses enhance reliability, reduce downtime, and extend equipment life. Our commitment to innovation ensures that lubrication remains a key enabler of operational excellence and long-term sustainability.



Fluid Management

FluidsConnect Web-based Support Tool

FUCHS' Fluid Management is a complete lubricant supply and management programme which is unique and flexible to meet the requirements of your business. It is a carefully managed, structured system of operations in which all aspects and consequences of fluid usage are managed, monitored and assessed.

Expert support

We provide expert support in the areas of fluid supply, distribution, monitoring, maintenance, assessment and disposal, allowing our customers to concentrate on what they know best. Full technical support is provided by a dedicated team of production fluid specialists, complemented by extensive laboratory facilities.

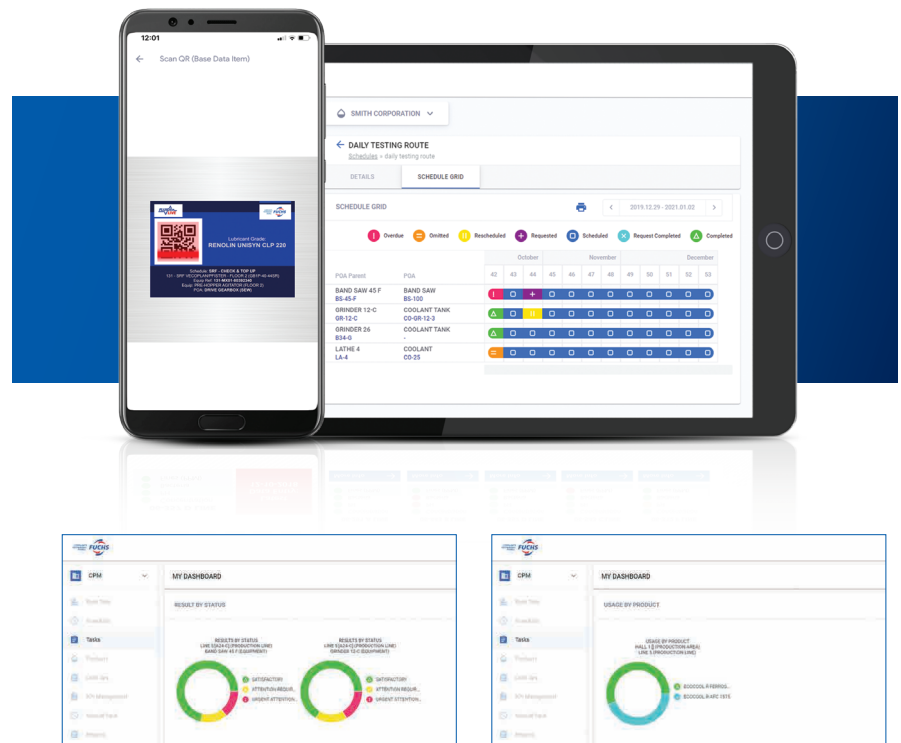
Benefits

- Virtualisation of production systems, lubrication points and fluids
- Digital recording of individual status data (manual / sensor based)
- Customisable dashboards & reports
- Central and seamless access to all information in a central application
- Detailed planning, control and documentation of all service activities
- Guided service operation with mobile devices
- Configurable notification system (Email, SMS)
- Integrated FUCHS lubricant knowledge for automated analysis of condition data
- Data-driven decision making

At FUCHS we utilise the latest technology to aid our customers, with this being demonstrated by the use of digital systems for many years. FluidsConnect is your "digital backbone" for all service provisions at your facility.

FluidsConnect is an easy to navigate, web based, recording, tracking and reporting tool, with integrated KPI measurements; to give maintenance and production engineers, immediate and remote access to the current condition of fluids in use.

FluidsConnect: Simple Efficient Control



[Example dashboard screen shots]

The complete food grade lubricant solution.

LCCP survey

Lubrication Critical Control Point (LCCP) is a tool for the evaluation of lubrication hazards and improvements that can have an impact on safety processes, machine / process performance and savings in maintenance and energy costs. This approach is based on the Hazard Analysis and Critical Control Points (HACCP), a systematic preventive process to ensure food safety in a logical and objective way, in this case with a focus on lubrication points and their respective cleaning/degreasing.

Costly product recalls, brand damage for the product manufacturer and even legal action by the end user can result from using the wrong lubricants. It can also be the cause of maintenance and energy overruns.

FUCHS, as your lubrication supplier, will send experts to your site to conduct an LCCP survey and help you prepare your lubrication program to develop and meet the lubrication portion of a safety plan.

Safety for all applications

Offering users guarantees of reliability, efficiency and productivity, our OEM approved lubricants have been developed specifically to match the demands of the modern food and beverage manufacturing industry.

CASSIDA food grade lubricants are the **most** advanced and extensive range of NSF H1 lubricants available today and supported by our range of A1, K1 and K2 registered cleaning products.

Site signage

FUCHS offers various signage solutions for quick, easy and efficient product selection within your stores. Wall signage & product labelling for highlighting a storage area or clearly identifying a product.



Shelf labelling for quick and easy storage.



We provide colour coded oil safe containers & storage units.



Holistic and future minded With a reliable partner

We do not just develop lubricants. We develop intelligent solutions for highly complex challenges.

At the very core of everything we do is a promise of reliability. We move your world – not just to keep things running at all times, but to improve your whole production process. To do so, we constantly look ahead and at the big picture.

A holistic approach that encompasses ecological, social and economic aspects.

Our goal: to keep our customers' world in motion. Efficient, sustainable, reliable. Today and tomorrow.

How can FUCHS help to move your world?

Performance – lowering your total cost of ownership

Maximum machine availability and minimized total cost of ownership are what we strive for. To achieve these goals, we leverage a solution-driven mindset, interdisciplinary expert knowledge utilising state-of-art techniques and advanced chemistry.



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