

Innovative solutions need experienced advice

With our industry leading experience in lubrication and chemical processes, FUCHS is able to provide customers with unparalleled products and services through focused engineering, administrative and technical support.



Contact:



FUCHS Industrial Lubricants

Building relationships through expert support



Lubricant Technical Support

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LUBRICANTS.
TECHNOLOGY.
PEOPLE.





FUCHS has more than 140 years' experience of manufacturing and supplying lubricants in the UK. We research, develop and manufacture bespoke lubricants; technology that is approved for use by leading manufacturers and available globally via the FUCHS organisation. Our innovative lubricants, coupled with technical expertise from our UK based team, can help reduce maintenance costs, provide protection for your assets and minimise downtime.

We believe that the perfect lubricant partner should not only supply high performance lubricants, but also provide excellent levels of service and support to customers. Our technical services include a UK based technical support line, local engineers and product specialists, training on lubricant best practices and bespoke support programmes.

Our experienced team work closely with customers, from choosing the right lubricant to fluid condition monitoring - ensuring our customers receive the most from their lubricants.

LUBRICATION **MANAGEMENT**

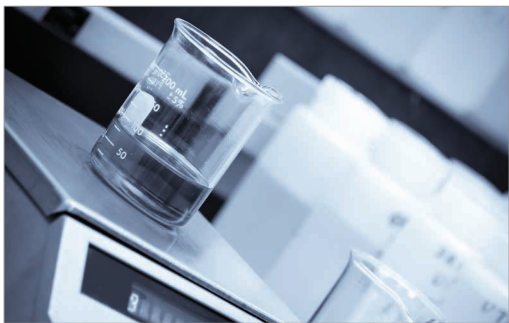
All process industries should use lubricants as part of an effective preventative maintenance strategy. FUCHS can assist by providing an effective lubrication schedule designed to maximise the efficiency of plant and equipment. Our lubricant surveys can help reduce risk, rationalise use, assist with audit compliance and

improve productivity. We provide a number of plant management solutions, including storage and handling equipment, dispensing equipment, labelling of lubrication points and waste disposal management.



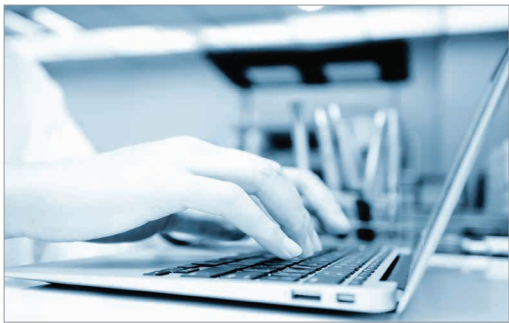
COOLANT MANAGEMENT

FUCHS has a comprehensive coolant range, making us well equipped to provide expert technical support enabling manufacturers to get the most out of their coolants. By implementing and improving coolant management and control practices, manufacturers can reap the benefits – saving money, reducing downtime, and minimising product quality problems.



CONDITION MONITORING

CENT is a carefully designed fluid condition monitoring programme supported by experienced lubricant engineers. Monitoring the condition of fluid in use can help customers to pick up any problems early enough to minimise and rectify any issues before damage occurs. Our reports are provided in an easy-to-use format, making it simple for customers to see where action is required.



FLUIDS LIVE

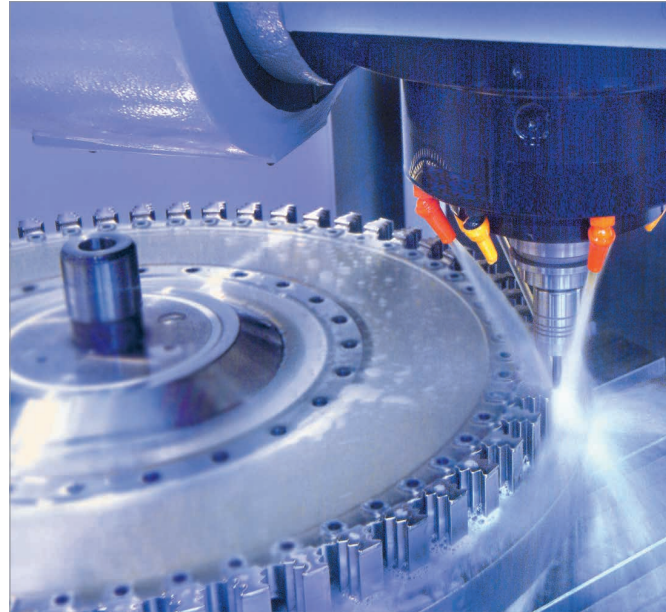
Our web-based system allows maintenance and production managers to actively monitor the lubricants in use throughout the plant. Proactive monitoring of the data allows engineers to plan their maintenance strategies more effectively and reduce their fluid usage expenditure. Our system can be tailored to the requirements of the customer, and is already operational in a number of different industries.



COMPLETE LUBRICATION MANAGEMENT

An effective lubrication programme should be the cornerstone of any initiative geared towards improved production efficiency. We have developed a unique and flexible CPM programme that is customised to our customers' individual needs. Our programme has been successfully operating on sites across the country for many years, providing proven benefits.

COOLANT MANAGEMENT



COOLANT MANAGEMENT

Coolants require far greater care and attention than many other lubricants in use. To assist customers, FUCHS provides a unique technical support package for the use and management of ECOCOL/ECOCUT cutting fluids.

Effective coolant management provides reductions on your total cutting fluid spend. Significant manufacturing efficiencies are provided through:

- Greater asset utilisation
- Reduced downtime
- Improved production rates
- Reduced rejection rates
- Extended tool life
- Reduced coolant usage
- Reduced waste disposal costs

EQUIPMENT SUPPORT

As part of our customer support, we assist customers with the equipment required for careful maintenance and handling of cutting fluids including:

- Oil skimmers
- Mixing units
- Dip slides and incubation units
- Storage bunds
- Spill equipment
- Bespoke fluid and water recycling units
- Design and installation of distribution and central systems



COOLANT SURVEYS

FUCHS offers an in depth manufacturing site survey carried out by metalworking fluid technicians and fluid management consultants. The survey looks at all operations and processes impacted by the cutting fluid, resulting in a detailed plan of potential improvements using FUCHS technology. The survey provides a plan of how costs can be saved across the full manufacturing process, rather than simply look at cost-per-litre savings. During the survey process, our engineers will look at:

- Fluid technology on site
- Emulsion strength
- Tooling spend
- Waste management
- Maintenance costs
- Downtime minimisation
- Health and safety requirements
- Training on coolant 'best practices' to employees

Following each site visit we will provide customers with instructions of necessary actions as well as providing the necessary HSE compliant support documents to ensure that you are able to get an immediate overview of fluid condition.

A unique technical support package for the management of ECOCOL/ECOCUT cutting fluids

CONDITION MONITORING SERVICE

The CENT condition monitoring service is a state of the art production management tool that indicates the condition of the fluid and equipment by measuring wear trends, additive levels and sources of contamination. Our programme is supported by experienced lubricant engineers and has a proven track record in improving efficiency and reliability of machinery across many industries – saving our customers money!

FUCHS Specialists will design a tailor-made, condition monitoring programme for your plant and equipment. FUCHS will recommend sampling points, methods and frequencies. Information on your plant and equipment will be programmed into the CENT Metallurgical database to increase the accuracy of analysis.

This predictive condition monitoring system uses oil wear analysis combined with sophisticated computer software to highlight problems before they occur. Oil sample readings are taken and the results of their assessment enables trends to be established and alarm levels to be set for individual applications.

This information is provided to the customer in a clear and precise report to determine the maintenance actions required, thus reducing the chance of unpredicted machine breakdown. The CENT Report "Traffic Lights" show immediately if your plant or machinery is in satisfactory condition, and if not, what action is required.

Anticipating the need for fluid change, or preventing further damage being caused, results in improved scheduling of maintenance activities, reduced downtime and maximum return from your lubricant expenditure.

CENT 

A state of the art production management tool that indicates the condition of the fluid and equipment

FLUIDS LIVE



Fluids Live is an easy to navigate, web based, recording, tracking and reporting tool with integrated KPI measurements. This bespoke system gives maintenance and production engineers immediate and remote access to the current condition of fluids in use. Fluids Live is an on-line platform, offering software free, centralised management of data, resulting in no investment requirement from users.

Information can be updated in as little as 2 hours from the time of collection of data giving users all of the information from which to make informed decisions on maintenance scheduling, production planning and other operational activities. Proactive use of the data will allow for better inventory control, reduced and simplified waste management activity and accurate analysis of fluid consumption by machine, cell or process. This data then allows users to plan maintenance strategies more effectively and help reduce fluid usage expenditure.

Reporting data is broken down to the necessary levels, from company-wide to a specific machine, illustrating consumption against point of application. Fluids Live allows management teams to act accordingly based on the data produced.

STANDARD WEEKLY REPORTING

Shows consumption broken down to the required level. Allows reason to be inputted, e.g. leak, normal consumption, cleanout. This clearly illustrates the reasons behind consumption figures, providing more information for management teams.

EXCEPTIONS REPORTING

Highlights high consumption. Ensures leaks do not go unnoticed, providing the opportunity for quick reaction thus reducing consumption costs.

CONSUMPTION REPORTING

Illustrates product usage at any level, from department to an individual machine.

AUTOMATED SCHEDULING

Allows management to schedule workload and edit as required – with no limit to the amount of schedules able to be planned.

DATA CAPTURE

Capture data easily via handheld units. Data available to management as soon as synchronisation is complete. Alternative manual data entry option is available.

An easy to navigate, web based, recording, tracking and reporting tool with integrated KPI measurements



CHEMICAL PROCESS MANAGEMENT



FUCHS' Chemical Process Management (CPM) service is a complete lubricant supply programme which is unique and flexible to meet the requirements of your business. We have a dedicated team of experts and engineers who have a wealth of industry knowledge and experience. We have over 30 years' experience of working at our customers' sites, providing high levels of technical service and support. FUCHS engineers can be based at a customer's site to assist with all areas of plant lubrication.

CPM is a carefully managed, structured system of operations in which all aspects and consequences of fluid usage are monitored and assessed. We provide expert support in the areas of fluid supply, distribution, monitoring, maintenance, assessment and disposal, allowing the customer to concentrate on what they know best.

Full technical support is provided by a dedicated team of production fluid specialists and extensive laboratory facilities, incorporated into regular site visits to ensure maximum efficiencies.

Our commitment to achieving agreed performance targets that are quantifiable and sustainable, through lowering the direct and

indirect costs associated with fluid usage, can only be demonstrated through proven experience and the positive vision that FUCHS brings to all of its CPM customers.

The CPM programme includes:

- Site-wide fluid management
- Rationalisation programmes
- Environmental compliance assistance
- Advice on best practice and risk assessments
- Implementing cost saving initiatives
- Managing and replenishing lubricant stocks
- Providing advice and support on lubricant machinery requirements and modifications
- Condition monitoring and lubricant assessments
- Regular meetings to discuss progress and future opportunities

Our programmes are successfully operating in a wide spectrum of industries, including aerospace, foundries, press and body, automotive component manufacture, and food processing plants.



A carefully managed, structured system of operations in which all aspects of fluid usage are monitored and assessed