

Industry visionary CONDAT marks 170 years of lubrication excellence

2024 marks a significant milestone for Condat as the company celebrates its 170th anniversary. Based on embodied values, such as its historical one ‘Build to last’, Condat has demonstrated its ability to adapt, innovate and reinvent itself over the decades - leveraging its extensive and steadfast expertise.

For over 20 years, Condat has distinguished itself by providing the industry’s least impactful lubricants, with a special focus on operator health and environmental sustainability across various application fields. Biodegradable lubricants for agriculture or the wood industry, vegetable-based coolants for machining and borax-free soaps for wire drawing are just a few examples of initiatives driven by the company within its value chain.

Such is Condat’s commitment to what the group calls Responsible performance. To this end, it has established its LUBRISCORE® to offer customers better visibility on its eco-designed products. LUBRISCORE® is a self-evaluation method that rates products based on life cycle crite-



In the run-up to Glasstec 2024, CONDAT prepares to showcase its eco-friendly lubricants and innovative solutions for the glass industry. The group's responsible performance initiative, including its LUBRISCORE® rating, highlights an ongoing commitment to reducing environmental impact while being as serious about operator health as high performance.



ria: Raw materials and design, Production, Transport, Use, End of life. Using a point system and responses to about twenty questions, LUBRISCORE® assesses the level of eco-design in Condat products. Providing safe, high-performance and low-impact products is the driving force behind Condat's dynamic approach. Currently, 28 percent of raw materials are sourced from renewable resources - thereby enabling the production of lubri-

cants without petroleum basic constituents.

Condat also places significant emphasis on overall impact. Decarbonizing its industrial sites has been on its strategic roadmap since 2021. By acting as a responsible industrialist, Condat proudly reports avoiding 3,860 tonnes of CO2 emissions over the past three years. This achievement is the result of concerted efforts by the company and its employees, including a new policy on deliveries, waste reduction and projects focused on reducing water and electricity consumption, as well as gas and fuel usage. All these efforts have paid off. Condat was award-

ed the Platinum medal for its Corporate Social Responsibility (CSR) by EcoVadis in 2021 and was renewed in 2023. This result places Condat among the top one percent of the best-rated companies in the world.

HOW DOES CONDAT HELP THE GLASS INDUSTRY?

Based on its commitment to responsible performance, Condat is a true leader in offering products with minimal environmental impact without compromising on performance and productivity. Beyond providing high-quality and efficient lubricants, it also distinguishes itself through personalized advice on implementing optimal lubrication solutions tailored to each glass-making plant. Aligned with its ethos of responsible performance, Condat aims to help glass producers consume less while achieving better results. In connection with eco-use, the Condat team conducts on-site assessments to reduce total glass process costs, enhance productivity and maximize lubricant effectiveness - encouraging consumption of the right quantity of lubricants. Some innovative and responsible lubricants dedicated to the glass industry follow here:

EMBRACING SUSTAINABILITY

The evolution of non-graphite lubrication in glass moulds

Graphite has long been a key



LANDMARK MILESTONE

component in swabbing grease formulations due to its high performance. Its origins can be natural (mining ore) or synthetic (full chemical process). However, it can cause defects like dirtiness and buildup in glassmaking. To address this, Condat offers lower-graphited and non graphite swabbing greases, providing a cleaner working environment and reducing graphite use. These greases not only replace graphite but also offer technical benefits such as increased thermal resistance, extending swabbing frequency by three to five times, and improving operator safety. Additionally, Condat's non graphite swabbing solutions are made from renewable vegetable-based and recycled refined oils. They have high flash points to limit fire risk and ensure equipment and co-worker safety, with safety data sheets free of hazardous pictograms.

IS machines fluids consume less

Condat's GLASS HTS 250 IS, a 100 percent synthetic oil for central lubrication of IS machines, is approved by both glass plants and IS machine OEMs. It offers unique benefits such as low evaporation, high thermal stability,

low oxidation and excellent lubricating properties. This lubricant reduces consumption by up to 50 percent compared to standard mineral oils and is free of heavy metals, chlorine and solvents, further minimizing fire risks and maintenance costs. This product is available with a fluorescent dye that reflects easily under UV light. This allows maintenance to detect machine leaks very quickly and consequently lower lubricant consumption.

Swabbing greases for glass robot - using the right product quantity

The best waste is no waste. Using the right quantity of lubricant while maintaining high performance is a major issue at Condat. Equipment like MICRODOSE helps save 50 percent on consumables by ensuring reliable and constant dilution. Sprayable CONDAGLASS swabbing greases reduce product usage by seven times and eliminate dangerous manual operations, increasing productivity by four percent.

Condat, the glass making partner

Altogether, Condat's lubricating solutions aim to reduce the



glass industry's carbon footprint by promoting responsible consumption and eco-use. With 170 years of expertise, Condat continues to adapt and innovate, leading the way toward responsible performance. For over 30 years, Condat has supported the container glass industry, with around 200 customers worldwide relying on its solutions for productivity and safety. Condat addresses every aspect of the glass production process, offering high-value solutions for shears, scoops, deliveries, moulds and IS machine mechanisms. With capacities to produce in different areas in the world, Condat can also apply its mantra: Think Global, Act local. Shortening transportation delays, reducing carbon footprint and investing in local companies also make up Condat's commitment to the glass industry. To know more about this glass lubricants offer, experts from the group will be available for visits at Glasstec Düsseldorf, Hall 14 stand E11. ■

ABOUT CONDAT

Condat is an independent company with international presence, specializing in the field of industrial lubrication. For 170 years, it has adapted its products to the specific needs of each market (drawing, cold heading, metal working, glass industry, etc.) and has developed a wide range of soaps, greases, oils, etc. Condat lubricant range is recognized on the glass industry market, in particular for its wide range of lubricants. The company covers all glass processing needs, from glass containers, flat glass to optical glass. It offers among others: shear spray oils, scoop oils, delivery coatings, graphited varnish for mould lubrication, graphite and graphite-free Swabbing mould compounds, IS machine maintenance oils and also float cutting oils, coolants cutting oils, flocculants for water treatment. Condat also provides lubricants for the maintenance of such equipment as hydraulic oils and greases and suitable equipment to ease implementation of such lubricants as dosing equipment.



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