

Lubricants for Steel Mills



LUBRICANTS.
TECHNOLOGY.
PEOPLE.



MOVING YOUR WORLD

Full-Solution Lubrication Partner in the Steel & Metal Industries

FUCHS provides trusted lubrication solutions tailored to meet the diverse needs of the steel and metals industry. Our offerings include lubricants for continuous casting mills, hot-rolling mills, cold-rolling mills, automotive coil coating, and auxiliary equipment, among others. Backed by decades of expertise and continuous innovation, our advanced lubricants are engineered to optimize equipment performance, safeguard critical equipment, and boost productivity at every stage of steel production.



**Decrease
Lubricant & Energy
Consumption**



**Increase Process
Efficiency**



**Avoid Rework
& Related Scrap**



**Improve
Equipment Life
& Reliability**



**Reduce Downtime
& Maintenance
Costs**



**Enhance
Working
Environment**

Maximize Performance with Expert Lubrication Services

Your equipment operates under demanding conditions, and high-performance lubricants are essential to ensure their success. But maintaining maximum equipment availability and productivity goes beyond just the right products—it's about the right partnership. Our application specialists are on-site to analyze, inspect, and help maintain your equipment, ensuring your plant runs smoothly.

We provide a comprehensive view of adjacent processes, offering tailored services that optimize lubrication management, including:

- Sample collections & oil analysis
- Process data collection & reporting
- Application & equipment surveys
- Gear inspections
- Lubricant project implementation & oversight
- Lubricant system monitoring
- Trial setup & support
- Training programs

Transform Your Steel Plant Operations

We empower our customers to improve their bottom line with our sustainable lubrication solutions that enhance the performance and reliability of steel and metal manufacturing equipment, even under the most demanding operating conditions.

Our comprehensive lubrication solutions reduce your total cost of ownership while offering:


- Corrosion prevention
- Moisture resistance
- Friction & wear reduction
- Contamination protection
- High-temperature protection
- High-load capability



A worker wearing a white hard hat and a high-visibility green safety vest with reflective stripes stands with their back to the camera in a large industrial facility. The worker is positioned in the center-left of the frame, looking down a long aisle. On the right side of the aisle, there are several large, cylindrical rolls of metal, likely steel coils, stacked in a row that recedes into the distance. The background is filled with complex industrial machinery, including overhead cranes and structural beams, illuminated by bright overhead lights. The overall atmosphere is one of a busy, large-scale manufacturing environment.

EFFICIENCY STARTS WITH RELIABLE LUBRICATION

In the steel industry, where extreme conditions and demanding operations are the norm, FUCHS is the name you can trust. We help you achieve your manufacturing goals by improving the reliability, productivity and profitability of your operations through product and process optimization.



Why Do Steel Plants Worldwide Trust FUCHS?

Steel plants choose FUCHS for our cutting-edge research and continuous innovation that meet the evolving demands of the industry. Our globally available solutions are backed by local experts who provide personalized support to optimize lubrication strategies, ensuring peak performance. Committed to sustainability, FUCHS develops environmentally friendly solutions that help customers operate more sustainably, while driving efficiency and reducing their environmental impact.

- 1 } Technologically Leading
- 2 } Globally Present
- 3 } Sustainability Driven

Lubrication Solutions for The Steel & Metal Industries

Our lubricant portfolio for the steel and metal industries spans the entire range of maintenance oils, metalworking fluids, rolling fluids, corrosion inhibitors, stamping/drawing fluids, cleaners, greases, and nearly every other type of lubricant used in an industrial setting.

Product	Description	Application
MORGEAR OILS		
RENOLIN MORGEAR SERIES	Oil with superior demulsibility. Excellent water separation, extended equipment life, reduced cavitation/pump wear. Exceeds industry standards (Danieli, SMS, MORGOIL® Advanced Specification)	MORGOIL® bearings
HYDRAULIC OILS		
RENOLIN B SERIES	Hydraulic fluids surpassing various industry standards. Long-lasting performance under heavy loads and high temps.	Mobile and stationary hydraulic units
ROLLING OILS		
RENOFORM RO SC SERIES	Advanced fluids for mill cleanliness, stain elimination, and enhanced roll life.	Cold rolling reduction oils
RENOFORM RO SP SERIES	Low residue fluids providing corrosion protection and finish optimization.	Skin pass / wet temper
RENOFORM RO HN & HX SERIES	Low consumption fluids with excellent demulsibility and optimum dispersion for increased work roll life, reduced roll force, and energy savings.	Hot rolling applications
FIRE RESISTANT FLUIDS		
RENOSAFE FIREPROTECT 46 NA	Synthetic polyol ester with inherent shear stability, oxidation and corrosion resistance, and wear protection.	Steel mill, blast furnaces, continuous casting machines, coke plants, mining application, mobile and stationary hydraulic units, injection molding machines
RENOLIN HFC 46	Synthetic water/polyglycol fluid with oxidation and corrosion resistance, and wear protection.	
PLANTOFLUX FR 68 HOC	Renewable, high oleic vegetable base oil with oxidation stability, corrosion resistance, and wear protection.	

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Product	Description	Application
CLEANERS		
RENOCLEAN GL 8000 SERIES	Effective cleaner to remove heavy soils and scale to ensure proper adherence of coatings.	Galvanizing line cleaner
RENOCLEAN SUPER 844	Heavy-duty liquid alkaline cleaner for maintenance cleaning.	Floors, walls and equipment

Product	Description	Application
GREASES		
RENOLIT CXS AM SERIES RENOLIT CXS CRM SERIES	Calcium sulfonate complex greases for extreme conditions.	Steel processing equipment such as Continuous Casters, Shears, Roughers, Finishing Stands, Run Out Tables, Hot Strip Mill Bearings, Mill Roll Neck Bearings, Spindles, Couplings, and Gearing.
RENOLIT SUPERLITH 2000 SERIES	Lithium complex grease with high base oil viscosity for thicker film.	
RENOLIT PLEXALENE RP 1400 RENOLIT SUPERPLEX 2010/460	Aluminum complex EP grease, premium hydrotreated base stock.	High-temp bearings, electric motors, industrial machinery
RENOLIT PU MP-2	Polyurea grease for high-temperature bearings.	

Product	Description	Application
MILL-APPLIED CORROSION PREVENTATIVES AND PRE-LUBES		
ANTICORIT RP 4107 S	Barium-free oil that inhibits run-off and offers excellent corrosion protection in condensation climates and acidic atmospheres. Fulfills VW A 001, OPEL B 040 12470, DBL 6757.05. VDA 230-201 reference oil. Approved by most U.S. and European-based OEMs.	Indoor storage protection for steel coils
ANTICORIT PL 3802 39S	Barium-free, thixotropic prelube with good forming properties. Fulfills VDA 230- 201. Approved by most U.S. and European-based OEMs.	Ferrous steel, zinc coated steel, phosphatized steel, and stainless steel
METALUB PL 7105 A	Oil-based corrosion preventative and pre-lube with excellent lubricity. It is approved by General Motors, Tesla, and other OEMs.	Stamping prelube

Product	Description	Application
CONTINUOUS CASTING LUBRICANTS		
RENOLIN CAST OILS	Reduce smoking, varnishing and coking for superior billet finishes.	Caster molds

Complete solutions for all of your manufacturing processes

FUCHS is the world's largest independent manufacturer of lubricants with the most extensive program of metalworking fluids. Our comprehensive portfolio is supported by years of application engineering experience and customized solutions to benefit your manufacturing processes.

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