

Automatic lubrication in steel industry Why automatic lubrication? Challenges

...reduces your costs

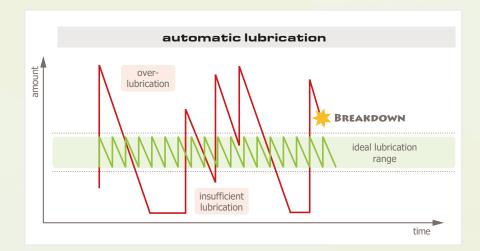
- saves time
- fewer machine breakdowns due to decreased wear
- lower lubricant consumption
- increased service life of bearings

...protects the environment

- needs-based lubricant dosage
- low risk of impurities andcontamination

...improves work safety

...enables monitoring and provides an overview



In the steel industry the access to many lubrication points is burdensome or dangerous. Manual lubrication is inconvinient due to a large variety of different lubricants and applications. Extreme operating conditions such as high temperature, vibrations, shock loads, high loads and contaminants demand frequent and reliable lubrication in order to prevent costly downtime.

Advantages of automatic lubrication



Heat

- temperature-independent delivery rate
- operation at high temperatures possible



Costs

- lower energy costs
- time saving
- · sustainable by multiple refills
- increasing production efficiency



Safety

- · indirect installation possible
- central controlling and monitoring in an userfriendly environment









Our solutions for automatic lubrication













Specifications
Lubrication points
Operating temperature
Working voltage
Max. operating pressure
Max. tube length*
Max. run-time
Lubricating intervals
Filling
Reusable drive
Self-refilling
Control

GLUBE	SOLOLUBE	G LUBE OIL	G LUBE VIB	LUB-S	LUBRICUS
Single	Single	Multiple	Multiple	Multiple	Multiple
-20 °C to +55 °C	-20 °C to +60 °C	+5 °C to +60 °C	+5 °C to +60 °C	-15 °C to +60 °C	-15 °C to +70 °C
Battery	Battery/24V	Battery	Battery	Battery/24V	Battery/24V
5 bar (73 psi)	7,5 bar (109 psi)	10 bar (145 spi)	60 bar (870 psi)	35/50 bar (508/725 psi)	70 bar (1015 psi)
Grease: 0,5 m Oil: 3 m	Grease: 1,5 m Oil: 5 m	Oil: 6 m	Grease: 6 m	Grease: 4 m Oil: 7 m	Grease: 6 m Oil: 10 m
12 month	12 month	24 month	12 month	24 month	36 month
1/3/6/9/12	1-12 (steppless)	0,5/1/2/4/6/12/18/24	1-12 (steppless)	1-24 (steppless)	1-36 (steppless)
By yourself or on customer request	By yourself or on customer request	By yourself	On customer request	On customer request	On customer request
X	✓	✓	✓	✓	✓
X	X	✓	X	X	X
Empty time	Empty time	Empty time	Empty time	Empty time, pause time, PLC	Empty time, pause time, PLC

^{*} depends on lubricant and application

Scopes of application

■ cooling sections
■ coking plants
■ conveyors
■ continuous furnaces
■ fans