

Automatic lubrication in mining industry

Why automatic lubrication?

...reduces your costs

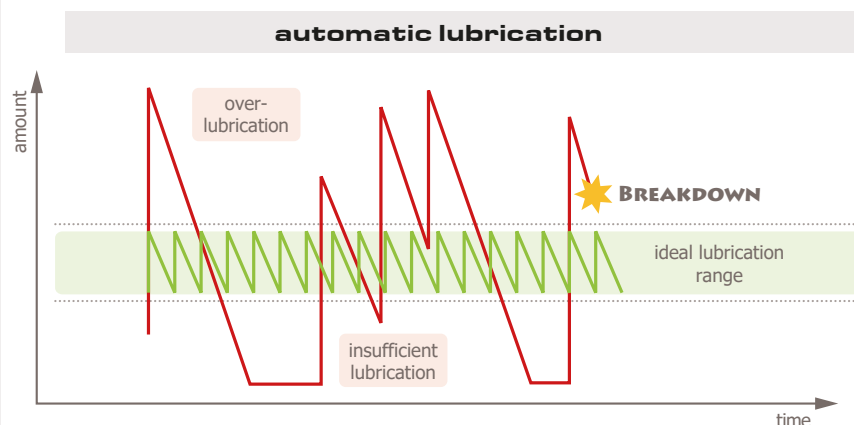
- saves time
- fewer machine breakdowns due to decreased wear
- lower lubricant consumption
- increased service life of bearings

...protects the environment

- needs-based lubricant dosage
- low risk of impurities and contamination

...improves work safety

- ...enables monitoring and provides an overview



Challenges

In the mining industry the access to many lubrication points is burdensome or dangerous. Manual lubrication is inconvenient due to spacious facilities and a large variety of different lubricants and applications. Contamination and rockfall lead to high exposure on guides, chains and bearings.

Advantages of automatic lubrication



Protection

- automatic lubrication lowers the risk of contamination
- accessories prevent contamination and rockfall damage



Costs

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



Safety

- indirect installation possible
- central controlling and monitoring in a user-friendly environment



Our solutions for automatic lubrication



Specifications	G LUBE	SOLO LUBE	G LUBE OIL	G LUBE VIS	LUB-S	LUBRICUS
Lubrication points	Single	Single	Multiple	Multiple	Multiple	Multiple
Operating temperature	-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
Working voltage	Battery	Battery/24V	Battery	Battery	Battery/24V	Battery/24V
Max. operating pressure	5 bar (73 psi)	7,5 bar (109 psi)	10 bar (145 psi)	60 bar (870 psi)	35/50 bar (508/725 psi)	70 bar (1015 psi)
Max. tube length*	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
Max. run-time	12 month	12 month	24 month	12 month	24 month	36 month
Lubricating intervals	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)
Filling	By yourself or on customer request	By yourself or on customer request	By yourself	On customer request	On customer request	On customer request
Reusable drive	X	✓	✓	✓	✓	✓
Self-refilling	X	X	✓	X	X	X
Control	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

■ excavators ■ roll crushers ■ conveyors ■ pumps ■ fans