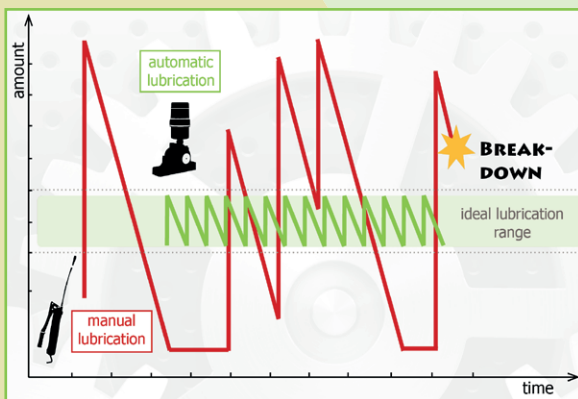




## Automatic lubrication in mining industry

### Why automatic lubrication?



#### Automatic lubrication...

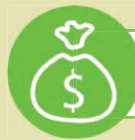
- ...reduces your costs**
  - saves time
  - fewer machine breakdowns due to decreased wear
  - lower lubricant consumption
  - increased service life of bearings

- ...protects the environment**
  - needs-based lubricant dosage
  - low risk of impurities and contamination
- ...improves work safety**
- ...enables monitoring and provides an overview**

### Challenges



**Contamination**



**Costs**



**Safety**

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.

### Scopes of application

- excavators
- roll crushers
- conveyors
- pumps
- fans



## Solutions



Specifications	G LUBE	SOLO LUBE	LUB 5	LUB-S	LUBRICUS
Lubrication points	Single	Single	Single	Multiple	Multiple
Operating temperature	-20 °C to +55 °C	-20 °C to +60 °C	-20 °C to +60 °C	-15 °C to +60 °C	-15 °C to +70 °C
Working voltage	Battery	Battery/24V	Battery	Battery/24V	Battery/24V
Max. operating pressure	5 bar (73 psi)	7.5 bar (109 psi)	10 bar (145 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	Grease: 2 m Oil: 5 m	Grease: 4 m Oil: 7 m	Grease: 6 m Oil: 10 m
Max. run-time	12 months	12 months	24 months	24 months	36 months
Lubricating intervals	1/3/6/9/12	1-12 (steppless)	1/3/6/12/24	1-24 (steppless)	1-36 (steppless)
Filling	By yourself or on customer request	By yourself or on customer request	By yourself or on customer request	On customer request	On customer request
Reusable drive	X	✓	✓	✓	✓
Self-refilling	X	X	✓	X	X
Control	Time control	Time control	Time control	Time & pulse control	Time & pulse control

\* depends on lubricant and application



### Contamination

- 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

