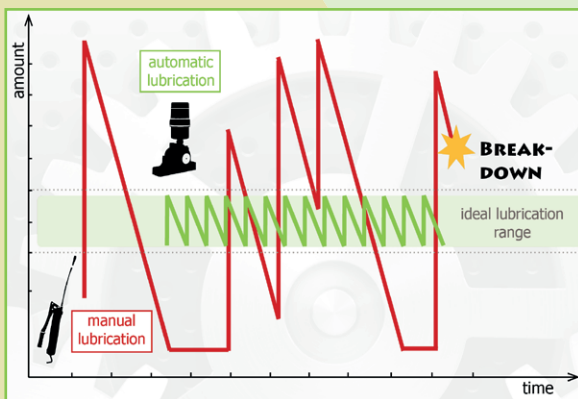




Automatic lubrication in mining industry

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
Ambient 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
Time / pulse 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

