

Increased performance through  
***intelligent additive technology***

www.oks-germany.com



- ❑ Reducing friction and wear
- ❑ Increasing operational safety
- ❑ Improving quality
- ❑ Relieving environment
- ❑ Saving costs

**Mo<sub>x</sub>-Active®** \*

\* All OKS products with Mo<sub>x</sub>-Active additive technology contain organic molybdenum complex compounds for higher performance.

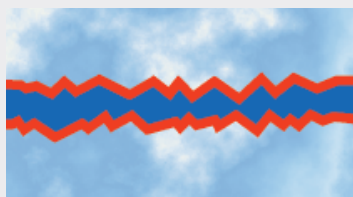
Speciality Lubricants  
Maintenance Products

## The surface management

Mo<sub>x</sub>-Active OKS Speciality Lubricants take over the surface management on the metal surfaces of the points of lubrication.

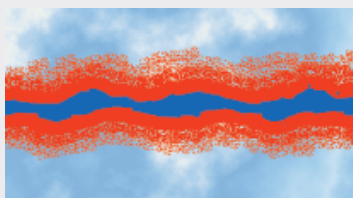
Intelligent additives support and accelerate the plastic levelling of the otherwise rough surfaces and cause a tribological surface finish.

### Phase 1



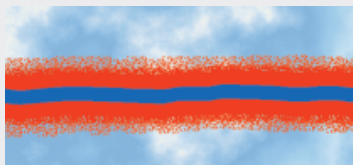
Mo<sub>x</sub>-Active instantly deposits to the load carrying metal surface of the point of lubrication, forming there a pressure resistant lubricating protective film.

### Phase 2



The load carrying capacity improves with increasing pressure. Friction and wear are considerably reduced.

### Phase 3



Mo<sub>x</sub>-Active supports and accelerates the plastic levelling of the metal surface. Best results are reached here in combination with MoS<sub>2</sub>. This structural change

leads to a tribological surface finish with an extremely low friction value and a high wear protection.

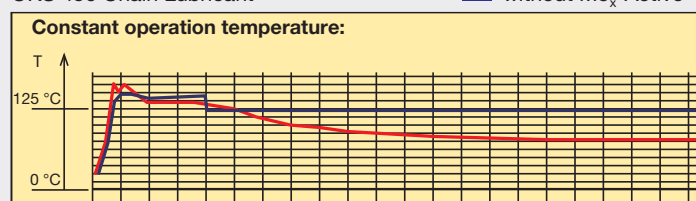
## The cost management

Mo<sub>x</sub>-Active OKS Speciality Lubricants reduce the operating costs and increase the quality in manufacture. Mo<sub>x</sub>-Active OKS Speciality Lubricants protect the environment by reducing the lubricant and energy consumption.

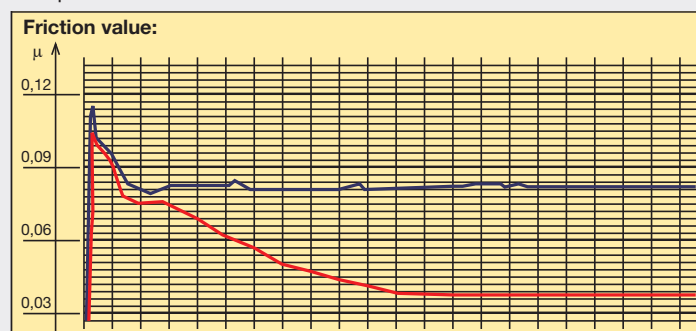
### The lubrimer test shows impressive results.

In comparison:  
OKS 450 Chain Lubricant

■ Mo<sub>x</sub>-Active  
■ without Mo<sub>x</sub>-Active

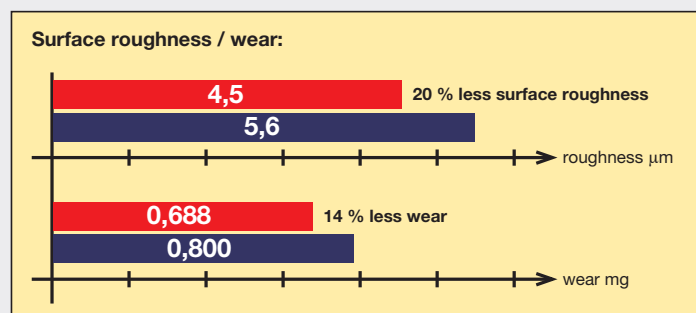


Constant operation temperature drops rapidly from + 120 °C to + 80 °C. Life time of the lubricant and thus relubrication intervals are prolonged multiple.



Friction value falls quickly from 0.09 to 0.03.

This means remarkably less energy consumption and better transmission of force. The running-in period can be shortened substantially.



Wear is strongly reduced. The life time of the machine elements is therefore extremely extended. This leads to much lower maintenance and spare part costs.

## CONSULTING AND SALES

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