

# GRAFAL OGL-500

## Graphite based operational highly viscous adhesive lubricant for large open running gear drives

**GRAFAL OGL-500** is based on chosen high viscous base oil, thickened with aluminum complex soap. The product Contains colloidal graphite of the highest purity and fineness and in addition a carefully determined additive package, which is chlorine free and contains no heavy metals, together with adhesive additives.

### Applications

**GRAFAL OGL-500** is used on the continuously automatic spray lubrication of large gear rim drives of tube mills, ball and rod mills, rotary kilns, dryers and crushers, which are to be found, i.a., in the raw materials industry or the power station sector. In addition GRAFAL OGL-500 is suitable for the lubrication of large chains, wire ropes and heavily loaded sliding guides in rough operating conditions, e.g. in the mining and cement industry. Further applications are found in sugar and paper production as well as in marine and offshore technology.



Open gears



Toothed racks



Wire cables



Sliding surfaces

### Performance Features

- Temperature range for use: -15 / +140°C
- Extremely high pressure resistance
- High load capacity
- Excellent protection against wear
- Very good corrosion-preventive ability
- Reduces tribocorrosion
- Forms adhesive lubricating film even at increased operating temperatures
- Can be applied with all common spray lubrication systems
- Good resistance to water
- Free from heavy metals, chlorine and solvents

### Technical Data: GRAFAL OGL-500

Characteristics	Unit	Value	Test Method
Reference	-	OGPF00N-15	DIN 51502
Color		black	-
Texture	-	homogeneous	-
Thickener	-	Al-X	
NLGI grade	-	00	DIN 51818
Kinematic viscosity of the base oil [40°C]	mm <sup>2</sup> /s	500	DIN 51562-1
High Temperature range	°C	+140	LLS 134
Low Temperature range	°C	-10	LLS 134
Drop point	°C	+270	ASTM D 2265
Four Ball Test welding load	N	6500/7000	DIN 51350-4
TIMKEN OK-Load	lbs	45	ASTM D 2509

### Lubrication Solutions for Industry

**KELBOR** develops, produces and sells high-performance lubricants. The product range covers the fields of special lubricants, lubricants for all industry and lubricants for metal working and forming technology. All product formulations are based on latest tribological knowledge.