

Klübersustain LG 39-700

Sustainable operational lubricant for open drives



Benefits for your application

- **Significantly contributes to sustainability due to the base oil being designed from renewable resources and the product's biodegradability**
- **The lubricant's extremely good low-temperature behaviour enables operation of open gear drives in areas with very low ambient temperatures**
- **Cost reduction because of very good load resistance and wear protection for long service life of open gears**
- **As Klübersustain LG 39-700 is free of graphite to ensure clean handling and prevent clogging of spray systems caused by solid particles**
- **Appears transparent on tooth flanks - immediate inspection results during operation**
- **Reduced lubricant consumption due to high adhesion to friction surfaces**

Description

Klübersustain LG 39-700 is a newly developed lubricant especially for the lubrication of medium-size to large girth gear drives with a base oil coming from 100 % renewable resources. It therefore supports sustainable production. Klübersustain LG 39-700 provides good adhesion, excellent resistance to high pressure and protection against wear. The product is suitable for use at component temperatures up to 100 °C

base oil composition, the product is especially suitable for open gears requiring good pumpability in cold climates.

Application notes

Klübersustain LG 39-700 is applied continuously through automatic spray systems. It can also be applied by brush or manual spray equipment. The lubricant quantities to be applied depend on the individual operating conditions.

Application

Klübersustain LG 39-700 was developed for spray lubrication of open pinion gears as are found in rotary kilns, tube mills, drums and similar machinery used in the cement, lime, gypsum, mining and chemical industries as well as in power stations. Due to its

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

| Pack sizes | Klübersustain LG 39-700 |
|--------------|-------------------------|
| Bucket 25 kg | + |
| Drum 180 kg | + |



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| Product data | Klübersustain LG 39-700 |
|--|--------------------------------|
| Article number | 009038 |
| Lower service temperature | -30 °C / -22 °F |
| Upper service temperature | 100 °C / 212 °F |
| Colour space | brown |
| Texture | homogeneous |
| Density at 20 °C | approx. 0.97 g/cm ³ |
| Biodegradability in acc. with OECD 301 B, 28d | >= 60 % |
| NLGI grade, DIN 51818 | 0 |
| Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C | approx. 90 mm ² /s |
| Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C | approx. 680 mm ² /s |
| Flow pressure of lubricating greases, DIN 51805, test temperature: -30 °C | <= 1 400 mbar |
| Drop point, DIN ISO 2176 | >= 100 °C |
| Four-ball tester, welding load, DIN 51350 pt. 04 | >= 6 500 |
| FZG scuffing test, based on DIN ISO 14635, A/2,76/50, scuffing load stage | > 12 |
| Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx. | 24 months |

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Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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