

Klüberrail LEA 62-2000

Readily biodegradable wheel flange lubricant for rail vehicles



Benefits for your application

- Significant wear reduction on wheels and rails
- Noise reduction, especially on curves
- Good adhesion for full effect at high speeds
- Good rain resistance
- High environmental compatibility as the lubricant is readily biodegradable

Description

Klüberrail LEA 62-2000 is a eco-compatible, fully synthetic speciality lubricant for the lubrication of wheel flanges on rail vehicles. This grey fluid grease is readily-biodegradable acc. to OECD 301 F and is based on a rapidly biodegradable synthetic oil, an inorganic thickener and a combination of selected additives. Its chemical composition ensures good wear protection for wheels and rails and reduces stick slip effects on curves to reduce noise. The additives used in Klüberrail LEA 62-2000 ensure good adhesion to the wheel flange, so the lubricant does not fling off even at high speeds (passed DB test PA-0001). The lubricant also offers good water resistance, so it is not washed off by rain.

Application notes

Klüberrail LEA 62-2000 is particularly suitable for use in automatic wheel flange spray lubrication systems. The fluid grease offers good feed characteristics, even at low temperatures.

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.

Application

Klüberrail LEA 62-2000 is an eco-compatible lubricant for wheel flange lubrication in rail vehicles.

Pack sizes	Klüberrail LEA 62-2000
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Product data	Klüberrail LEA 62-2000
Article number	009037
Chemical composition, type of oil	ester oil
Chemical composition, thickener	silicate
Chemical composition, solid lubricant	solid lubricant
Lower service temperature	-40 °C / -40 °F
Upper service temperature	80 °C / 176 °F
Colour space	grey
Texture	homogeneous
Density at 20 °C	approx. 0.98 g/cm ³



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Product data	Klüberail LEA 62-2000
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	430 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	475 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 20 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 5 mm ² /s
Biodegradability according to OECD 301 F, (within 28 days)	>= 60 %
Four-ball tester, welding load, DIN 51350 pt. 04	>= 2 800 N
Four-ball EP tester, wear factor, DIN 51350 part 3,1 h/300 N, wear scar diameter	<= 1 mm
Water resistance, DIN 51807 pt. 01, 3 h/40°C	0 - 40
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

Klüber Lubrication – your global specialist

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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