

## LC EURO 01

### MULTIPURPOSE EP GREASE:

LC EURO 01 (LC 01) grease is based on mineral base oil and lithium calcium mixed-soap thickener. The greases contain extreme-pressure, anti-wear, anti-oxidation and anti-corrosion additives.

LC EURO 01 (LC 01) greases are suitable for general rolling bearing applications including conveyors, slurry and process pumps, fans and blowers.

#### *Application*

LC EURO 01 (LC 01) grease is a multipurpose EP lubricant suited for the lubrication of rolling bearing, plain bearing, linear bearing, slide and radial shaft seal applications. The grease is suited to general bearing and other demanding applications in mining and minerals processing, steel mills, cement and aggregate, pulp and paper and other heavy industries. This lubricant is particularly suited for use in wet or moist environments.

### TYPICAL APPLICATIONS INCLUDE

- Conveyor pulley bearings and seals exposed to high levels of water
- Slurry and process pump bearings and seals (at normal operating temperatures and speeds)
- Blower and fan bearings (large fans or fans under moderate load at lower speeds)
- Large-frame, low speed electric motors
- Vibrating screen bearings
- Gearbox seals in wet environments

#### *Shelf life*

Shelf life is approx. 12 months if the product is stored in its unopened original container in a dry and frost-protected place.

#### *Product information*

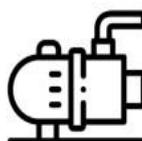
LC EURO 01 grease has been tested in perma lubrication systems to assess grease pumpability and oil bleed performance. This process assists in predicting the dispensing behavior from perma lubrication systems when installed and used within normal operating guidelines.

LC EURO 01 is available in NLGI 2 grade only.

Conveyors



Pumps



Blowers/Fans



## LC EURO 01

Product Name	LC EURO 01
Grease Code	LC 01
NLGI Grade	2
Color	Beige
Thickener	Lithium Calcium
Base oil	Mineral Oil
Base oil viscosity, DIN 51562 at 40 °C, mm <sup>2</sup> /s at 100 °C, mm <sup>2</sup> /s	150 11,5
Speed index, (n x dm), approx.	3000.000 mm/min
Dropping Point (ASTM D 2265)	> 374 °F / > 190
Min working temperature	-22 °F / -30 °C
Max working temperature	266 °F / 130 °C
Worked Penetration 0,1 mm (ASTM D 217)	265 - 295
Mechanical Stability - 100,000 strokes % Veränderung (ASTM D 217)	< 15 %
Water Spray-off, % loss (ASTM D 1264)	2,25 %
Oil Separation, % loss (ASTM D 1742)	< 3 %
Timken OK Load, Lbs. (ASTM D 2509)	88 lbs / 40 kg
4 Ball Weld (ASTM D 2596)	562 lbs / 255 kg



### EXCELLENT MECHANICAL STABILITY

Mechanical stability is the grease thickener resistance to softening and leaking under stress. Good mechanical stability is essential for long grease service life, retention in bearing contact zones and preventing contaminant entry.



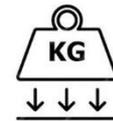
### GOOD ADHESION ON METAL SURFACES

Good adhesion aids retention in bearing contact zones and preventing contaminant entry, contributing to good lubrication conditions.



### GOOD PUMPABILITY

Good pumpability assists in predicting grease dispensing outcomes for perma lubrication systems installed and operated within recommended guidelines.



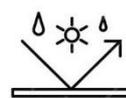
### SUPERIOR PROTECTION AGAINST EXTREME PRESSURES AND SHOCK LOADING

Good mechanical stability and adhesion aid grease retention under high and shock loads. EP & AW additives reduce friction and provide wear protection where metal-to-metal contact occurs.



### GOOD WATER WASH-OUT RESISTANCE

Good mechanical stability and good adhesion contribute to water wash-out resistance. Thickener type and anticorrosion additives provide additional performance benefits in wet environments.



### GOOD PROTECTION AGAINST OXIDATION

Oxidation is the primary way a lubricant degrades in normal service. Antioxidant additives prolong the service life of base oils and contribute to good oxidation resistance.