

ECO-FRIENDLY LOWER BEARING

# LANDY SCREW PUMPS

## LANDY ECO BEARING



The Landy Eco-friendly lower bearing is featured by:

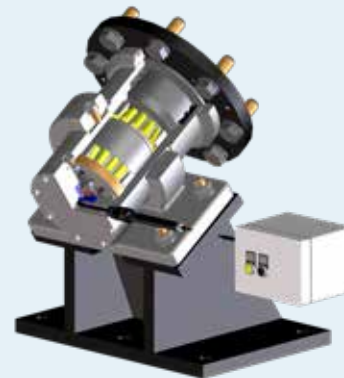
- exchangeable with existing bearings
- 3-D self-alignment
- absorbing the expansion and contraction of the screw in changing temperature
- completely closed cast iron housing
- sealed for life
- 3 high performance seals
- a labyrinth seal against ingress of solids
- no grease pump and lubrication lines required
- no spare parts required
- low installation costs and time
- maintenance free
- monitoring (optional)

## WATER-IN-OIL DETECTION

As the lower bearing is usually under water, the corresponding maintenance work is tedious and expensive. But just this lower bearing is a very important part of the screw pump and can cause major damage to the rest of the screw pump in case of failure.

That's why Landustrie has developed a monitoring system that provides information on whether the bearing is still intact. The enclosed bearing is lubricated with oil. If only a small amount of water enters the bearing, the monitoring system will generate an alarm. You then have enough time to fix the defect.

The "water-in-oil monitoring" can be mounted on all Eco bearings and existing bearings can also be retrofitted later.



The "water-in-oil monitoring" consists of:

- a sensor plate, which is mounted below on the ECO bearing
- a cable (about 20 m long - lower section provided with epoxy resin casting)
- a control unit with alarm light, a release button, a test button and terminals for a remote message for reading at the control panel

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