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## **BELESTA® LC INCREASES BEARING LIFE ON CENTRIFUGE GEARBOXES AND SAVES ENERGY**

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**Customer:**

Sludge dewatering plant

**Problem:**

The plant uses 12 D7LL Guinard dewatering centrifuges with a value of £150K each and normally runs at least 10 of the 12 units 24/7. The original manufacturer's maintenance recommendations were for a 8000hr main bearing change on the gearbox at a cost of £7K per unit.

**Product:**

**Belesta® LC**

(Boundary Lubricant Supplement)

**Solution:**

5% **Belesta® LC** was added to the Texaco Carter EP68 gearbox lubrication system after the first annual warranty check. All twelve units are now at 27,000hr running hours without any vibration problems and continue to give excellent service.

**Key Benefits:**

To date the savings on bearing replacement, seals and labour for the 12 units is £168K.

The average power saving for the bowl and scroll motors at 5% (Logged on a power monitor) of 237kw for ten from the twelve units at an annual average of 5.5p/kw hr is £57k per annum.

By comparison the cost of the **Belesta® LC** used was only £6000 in total!

**Photographs:**

1. Close up of Guinard centrifuge.
2. Close up of lube system.

