

DATE: 16/09/05

BELESTA PRODUCT USED: Belesta LC

EQUIPMENT: Pugmill Gearbox

MAKE/MODEL: Barbour Green

APPLICATION: Gearbox

LUBRICANT: Fuchs Renogear 320

OIL CHANGE: Annual



TEST:

**AVERAGE ENERGY CONSUMPTION
BEFORE ADDITION OF BELESTA:** 75.9066 kWhr

**AVERAGE ENERGY CONSUMPTION
AFTER ADDITION OF BELESTA:** 69.3718 kWhr

**ACTUAL ENERGY REDUCTION
AFTER ADDITION OF BELESTA:** 6.5348 kWhr

**PERCENT REDUCTION
AFTER ADDITION OF BELESTA:** 8.609%

RESULTS:

ENERGY REDUCTION: $6.5348 \text{ kW} \times 2200 \text{ hours} \times 3.5156 \text{ p/kWhr} = \text{£}505.42$
Less cost of BelestaLC: £144

NET ENERGY COST SAVING: **£361.42/ year**

FURTHER BENEFITS: Increased plant life, Reduced noise
Indirect positive effect on Climate Change