POWER GENERATION CASE STUDY

GB Unigrease® LXEP1 & 1749, formulated to provide excellent lubrication of precision gearboxes under arduous conditions that can be found in wind turbines and other industrial applications.

GB LUBRICANTS

CHALLENGE:

GB Lubricants' customer requires products that reduce excessive wear for high performance wind turbine components.

- Current product had caused pitting and corrosion to expensive parts of the wind turbine.
- Excessive wear on precision components leads shorter component life and more downtime due to maintenance.
- The customer aims to reduce unnecessary maintenance periods due to high costs associated with replacement parts and for service engineers.

SOLUTION:

Develop products that guarantee adequate lubricant film, reduce wear and ensure continuous component protection.

- Selecting a lithium complex thickener coupled with extreme pressure additives ensures GB Unigrease® LXEP1 withstands high and shock loaded conditions.
- Multi-complex soap of GB Unigrease® 1749 helps to improve performance in saturated conditions and varying temperatures.

OUTCOME:

GB Lubricants' products leads to reduced levels of wear, less maintenance downtime, and longer continuous wind turbine operation.

- Routine inspections of blade routes and alternator coupling reported reduced levels of pitting when using GB Lubricants' products.
- Performance under heavy loads is much improved when compared to the competitor products, proving GB Unigrease® LXEP1 & 1749 have high levels of extreme pressure performance.

BENEFIT:

Reduced wear levels observed by the customer in their wind turbine components has allowed them to implement a maintenance schedule based on longer service intervals. Expensive components are adequately protected, and the customer is making substantial savings on lubricants costs.

GB Unigrease® LXEP1 & 1749

Extreme pressure greases formulated for use in wind turbines

- Designed for the lubrication of heavy-duty anti-friction bearings operating in demanding industrial applications whilst extending component life in dry, wet and shock loaded conditions.
- Extremely high level of EP performance, providing protection against premature wear.
- High shear stability, which can greatly extend lubrication intervals, ensuring maximum cost savings in grease consumption.

AVAILABLE PACK SIZES:

- 12 x 400g
- 12.5kg keg
- 50kg keg
- 180kg barrel





PREMIUM QUALITY LUBRICANTS
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MADE IN GREAT BRITAIN SINCE 1877