

## **BELESTA XPG – OVERCOMING OVERHEATING BEARING PROBLEMS**

Belzona Polymerics Ltd are continuing to solve problems in Bearings and Lubrication with their groundbreaking Belesta materials.

Belesta XPG extreme pressure grease is one of a range of products utilising Belzona's unique Belesta symbiotic technology. This involves the use of a specially designed polarised synthetic ester polymer which is quite literally attracted to the positively charged metal surface of a bearing due to its negative polarity.

As a result, friction is reduced by the presence of a layer of lubricant which is bound to the metal surface and, in addition, its unique chemistry means that chemical entities responsible for providing extreme pressure and anti-wear properties are built directly into the polymer backbone. This means that even under the most severe loads; frictional losses and wear are kept to a minimum, ensuring optimal efficiency of operation.

As an example, a leading manufacturer of heavy duty pumps was experiencing premature loss of grease from bearings due to high running temperatures. The use of Belesta XPG dramatically reduced friction and Dynamometer testing under controlled conditions showed a temperature reduction of up to 17.5%.

This, coupled with reduced wear and extended grease life, has resulted in the Belesta XPG being written into the pump manufacturer's maintenance manual.



For more information on Belzona or Belesta, please telephone 01423 567641 and speak to the Press Office, or visit the Company's websites: [www.belzona.com](http://www.belzona.com) and [www.belesta.co.uk](http://www.belesta.co.uk)

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