

21 July 2010

**SMM 2010, Hamburg**  
Hall A4, Stand No. 156  
7 – 9 September 2010

## **PPE seals take the heat as engines meet environmental requirements at SMM Show**

### **New Perlast® perfluoroelastomer seal for Pre-heat Chambers and Exhaust Valves**

Lower emission levels for nitrogen oxides (NO<sub>x</sub>), sulphur oxides (SO<sub>x</sub>), CO<sub>2</sub> and particulate matter mean marine engines are running hotter for longer. Meeting the need for high temperature resistant, diesel engine elastomer seals is the new Perlast® G75TX perfluoroelastomer from Precision Polymer Engineering (PPE), a unit of IDEX Corp., at SMM 2010 in Hall 4A on Stand No.156.

PPE's perfluoroelastomer seals are designed to enable engine makers and shipping companies to use a wider range of fuels and coolant chemistries, while maintaining engine performance and service life between scheduled engine maintenance.

### **New Pre-heat chamber and Exhaust Valve seal takes the heat**

For the types of extreme temperatures typically experienced close to pre-heat chambers and exhaust valves, PPE is announcing the new Perlast® G75TX perfluoroelastomer. G75TX provides improved resistance to chemically aggressive, coolants at temperatures up to +327°C (+621°F). And, with a compression set of just 8%, many companies are already using the elastomer to increase the efficiency and lifespan of their marine engine seals.

Perlast® G75TX is suitable for both dynamic and static applications and can be fully moulded into O-rings in any size up to 2m/6.5ft internal diameter, and custom shapes.

### **Lead-free, steam resistant fluoroelastomer workhorse**

The PPE stand will also feature V75J, a lead-free, steam resistant fluoroelastomer, specially developed to provide improved in-service performance over lead-cured seals in marine diesel engines. The elastomer offers high levels of resistance to oils, fuels and hydraulic fluids, high temperature performance and superior, long-term sealing ability.

For more information on developments in engine elastomer seals contact Precision Polymer Engineering (PPE) on +44 (0)1254 295400, email [info@prepol.com](mailto:info@prepol.com) and visit the PPE web site [www.prepol.com](http://www.prepol.com).

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## **Editor's note:**

### **About PPE**

Precision Polymer Engineering (PPE) Ltd is a unit of IDEX Corp, and operates as a business within IDEX's Health and Science Technologies segment.

PPE is a world leading designer and manufacturer of high performance sealing solutions. The company's elastomers product range is used in many demanding manufacturing environments around the world. Applications as varied as semi-conductor manufacturing, food processing, pharmaceuticals, marine engineering and power generation benefit from PPE's innovative, robust and reliable sealing solutions.

Founded on over 35 years specialist sealing expertise, PPE offers an unrivalled range of products from over 170 elastomer materials. The company's materials scientists and applications technologists are working at the forefront of elastomer technology, developing new materials for specialist applications. These include PERLAST<sup>®</sup>, the world's leading perfluoroelastomer for critical sealing applications such as semiconductor and pharmaceutical manufacturing, and ENDURA<sup>®</sup> which was specifically developed for use in the oil and gas industry.

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