

Mobil DTE 10 Excel™ 46 hydraulic oil helps ceramics maker extend oil drain intervals and equipment life*



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Slip hydraulic system - Dowty gear pump | Orient Ceramics & Industries Ltd. | Sikandrabad, Uttar Pradesh, India

Situation

Orient Ceramics operates a Dowty gear pump in its slip hydraulic system. Lubricated with a conventional hydraulic oil, the pumps were required to maintain 2,200 psi (150 bar) operating pressure. Operating under severe conditions, the hydraulic oil reservoir was consistently running above 70°C (158°F), with average pump life of 3,600 hours and oil replacement intervals of 7,200 hours. In an effort to improve productivity, the company approached ExxonMobil for a lubricant strategy capable of extending oil drain intervals and prolonging equipment life.

Benefit

Orient Ceramics reports that **Mobil DTE 10 Excel 46** saved US \$2,000 annually in reduced oil consumption, filter usage and maintenance costs.

Recommendation

ExxonMobil engineers recommended the company switch to **Mobil DTE 10 Excel™ 46** hydraulic oil. Formulated from high viscosity index base oils and a proprietary additive system, **Mobil DTE 10 Excel 46** exhibits outstanding thermal stability for long life, low deposit-forming tendency and frictional benefits that are beneficial to hydraulic systems operating under severe conditions. In addition, ExxonMobil engineers also recommended the company implement routine **Mobil ServSM Lubricant Analysis** to monitor equipment and oil condition.

Increased oil life by
100%
compared to conventional
hydraulic oil

Impact

After transitioning to **Mobil DTE 10 Excel 46** hydraulic oil, Orient Ceramics doubled oil drain intervals. In addition, the company doubled gear pump life, which helped reduce necessary human-machine interaction by maintenance personnel.

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*This Proof of Performance is based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

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