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

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.

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 Serv™ Lubricant Analysis to monitor equipment and oil condition.

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.

Increased oil life by 100% compared to conventional hydraulic oil

*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.

**Visit mobilindustrial.com to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits will depend upon product selected, operating conditions and applications.