

Mobil DTE 10 Excel™ 46 hydraulic oil helps sheet metal company extend oil and equipment lifespans*



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Amada Tureet punch press | Sheet metal component and assembly manufacturer | Uttar Pradesh, India

Situation

An Indian sheet metal component and assembly manufacturer operates VIPROS 2510K model Amada Tureet punch presses. Using a conventional ISO VG 46 grade hydraulic oil, maintenance personnel were forced to perform oil changes in each press at least once per year. Additionally, the hydraulic oil did not adequately protect the servo valves, which were replaced every two years due to severe damage. In an effort to improve equipment reliability, the company approached ExxonMobil to identify a lubricant solution capable of extending the lifespan of the equipment and in-service lubricant.

Recommendation

ExxonMobil engineers recommended the company switch to **Mobil DTE 10 Excel™ 46** hydraulic oil in its punch presses. Formulated from selected base fluids and a proprietary additive system, **Mobil DTE 10 Excel 46** provides outstanding system cleanliness and extended wear protection over a long working period. In addition, ExxonMobil engineers recommended implementing routing **Mobil Serv™ Lubricant Analysis** to monitor equipment and oil condition.

Impact

After transitioning to **Mobil DTE 10 Excel 46** hydraulic oil, the company was able to double oil drain intervals. Furthermore, the company has not reported any lubricant-related valve failures, while the **Mobil Serv Lubricant Analysis** report confirms **Mobil DTE 10 Excel 46** is within limits and suitable for continued use.

Benefit

The company reports that **Mobil DTE 10 Excel 46** hydraulic oil helped double oil drain intervals and prevent valve failure, generating company-estimated annual savings of US \$5,300.

Eliminated equipment failures and increased oil change intervals by

100%

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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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