



Mobil DTE 10 Excel 46 Helps Indian Sheet Metal Manufacturer Extend Drain Intervals and Prolong Equipment Lifespan

**Amada Turret Punch Press, VIPROS 2510K Model
Sheet Metal Component and Assembly Manufacturer and Exporter
Uttar Pradesh, India**

Situation

An Indian sheet metal component and assembly manufacturer and exporter lubricates its Amada Turret Punch Presses with a competitive brand of ISO VG 46 hydraulic oil. In light of the lubricant's performance limitations, maintenance personnel are forced to perform frequent oil changes on the presses, at least once a year. The lubricant also was not adequately protecting the servo valves, which were replaced every two years on account of damage. The company approached ExxonMobil to determine an alternative solution capable of extending the lifespan of the equipment and in-service lubricant.

Recommendation

After a thorough analysis of the equipment components, ExxonMobil engineers recommended transitioning to **Mobil DTE 10 Excel™ 46** hydraulic oil. Formulated from selected base fluids and a proprietary additive system, this hydraulic oil has been shown to keep systems free of deposits up to three times longer than competitive fluids in our demanding proprietary MHFD testing, while providing extended wear protection over a longer working period. ExxonMobil also recommended implementing routine **SignumSM Oil Analysis** to monitor the condition of the components and in-service lubricant.

Result

Since transitioning to **Mobil DTE 10 Excel 46** hydraulic oil, maintenance personnel have successfully doubled oil drain intervals, surpassing two years. Furthermore, during this service period, there have been no reports of any valve failures, while the **Signum Oil Analysis** report confirm **Mobil DTE 10 Excel 46** is within limits and suitable for continued use. According to company estimates, the performance benefits provided by **Mobil DTE 10 Excel 46** have helped generated an annual savings of USD \$5,300 and enhanced production reliability.

The product performance of **Mobil DTE 10 Excel 46**, alongside the application expertise provided by local ExxonMobil engineering support and **Signum Oil Analysis**, is helping to improve customer productivity potential.



Mobil DTE 10 Excel 46 hydraulic oil helped enhance equipment protection and extend oil drain intervals on this punch press.

For more information on Mobil-branded industrial lubricants and services, call your local company representative or visit mobilindustrial.com.

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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.