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 Signum™ 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.