

Mobil ServSM support services and Mobil DTE™ 10 Excel hydraulic oil help Weber Metals enhance sustainability



Energy lives here™

Hydraulic Press | Weber Metals | Paramount, California, United States

Situation

Weber Metals, a leader in the aerospace industry, operates a state-of-the-art 60,000-ton hydraulic press that is the largest privately invested forging press in the world. The company has a seated commitment to sustainability that is core to its operational strategy. Through its **Mobil ServSM engineering support services**, ExxonMobil identified an opportunity to support Weber Metals enhance its sustainability initiatives through a new lubrication strategy that can reduce power consumption and maximize equipment productivity.

Recommendation

After an equipment survey, ExxonMobil engineers recommended the company switch to **Mobil DTE 10 Excel™ 46** hydraulic oil. The oil's high viscosity index (VI) enables it to deliver excellent hydraulic pump efficiency that can help minimize energy losses in the system. The oil's high VI and shear stability help maintain component cleanliness in extreme high temperatures, improving equipment reliability. The engineering team also recommended implementing routine **Mobil ServSM Lubricant Analysis** to monitor fluid and equipment health.

Impact

By using **Mobil DTE 10 Excel 46** hydraulic oil, the company reports an increase in the efficiency of the hydraulic press pumps by 4% without sacrificing equipment reliability. Together, these benefits help reduce CO₂ emissions by more than 4,000 tons and oil consumption by 70,000 gallons over a 20-year period while also helping reduce premature equipment failures and unplanned downtime.

Benefit

Through a continuous partnership, ExxonMobil's **Mobil Serv engineering support services** is helping Weber Metals reduce its environmental footprint and deliver on their sustainability goals, largely by helping extend oil life and maximize equipment productivity.

Reduced environmental footprint greater than

4,000 tons

of CO₂ emissions over a 20-year period

Industrial
Lubricants



Advancing productivity

Helping you reach your Safety, Environmental Care and Productivity goals through our innovative lubricants and services is our highest priority. That's Advancing Productivity. And that's how we help you achieve your broader vision of success.

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. In this document, ExxonMobil means Exxon Mobil Corporation or one of its affiliates.

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