

Mobil DTE 10 Excel™ 32 hydraulic oil helps steel mill improve blast furnace fan system operating in extreme cold*



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Blast furnace dust removal fan hydraulic system | Steel mill | Finland

Situation

A Finnish steel mill experienced ongoing problems lubricating its blast furnace dust removal fan hydraulic system in winter conditions. To maintain operations in extremely low ambient temperatures, the hydraulic system required the addition of electric heaters under a tarpaulin covering. In an effort to improve the efficiency of its blast furnace, the steel mill approached ExxonMobil to identify a lubricant solution capable of operating in extreme cold as well as summer conditions.

Recommendation

ExxonMobil engineers recommended the steel mill switch to **Mobil DTE 10 Excel™ 32** hydraulic oil for its blast furnace dust removal fan hydraulic system. Formulated with a shear stable, high viscosity index base oil, **Mobil DTE 10 Excel 32** is designed to perform in a wide range of extreme temperatures.

Impact

After transitioning to **Mobil DTE 10 Excel 32** hydraulic oil, the mill was able to operate equipment efficiently in temperatures averaging -15°C (5°F), and occasionally in temperatures as low as -27°C (-17°F). As a result, maintenance personnel no longer required supplement heating of tarpaulins to help maintain operating efficiency.

Benefit

The company reports that **Mobil DTE 10 Excel 32** has helped improve production reliability and generate savings by eliminating the need for heaters, tarpaulins and related maintenance costs.

Operating temperatures
as low as
-27°C (-17°F)

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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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