

# PROOF OF PERFORMANCE

Thames Water UK demonstrates the potential savings of £375,000 per year by using Mobil DTE 10 Excel.

## SITUATION

Committed to improving their environmental impact and reducing operational expense, Thames Water partnered with WP Group and ExxonMobil to investigate the benefits of energy efficient lubrication.

## RECOMMENDATION

Used extensively in the water treatment process, it was recommended the Aeration Blower equipment was switched to Mobil DTE 10 Excel to increase hydraulic efficiency and reducing power consumption.

## RESULT

In a closely monitored seven-month trial, the aeration blowers operating on Mobil DTE 10 Excel showed a reduced power consumption of up to 3.13% over the previous lubricant. This equated to a potential saving of £375,000.00 per annum as well as a significant reduction in CO2 emissions.

Further benefits of Mobil DTE 10 Excel include;

- Enhanced oxidation & thermal stability - Up to 3x longer oil life
- Ultra keep clean performance - reduced system deposits
- Excellent shear stability - stay in grade performance
- Fluid and equipment durability, even under extreme conditions

**If Thames Water were to employ this technology across all of their aeration equipment throughout their operations and achieve similar savings, the reduced power consumption would equate to an energy saving of £375,000 / year**



**BRYAN DONKIN SC95CN  
AIR BLOWER**

Thames Water's Energy Efficiency Manager commented:

"By making our operation a bit more slick, we're able to save energy and therefore save money. Not only is that good for the environment, it's good for our customers too. When it comes to being efficient, grease really is the word."

"The trial at Beckton has been a great success and has really shown what we can save both in terms of money and energy, and this is just the start. - We are already looking for opportunities to make further machinery run even slicker."