

ULTRACUT® EVO 250

Performance you can trust



CUSTOMER

Weir Valves and Controls

BACKGROUND

Weir Valves and controls were using a macro emulsion cutting fluid to provide corrosion inhibition and visual aid for checking cracks in pressure valves for the nuclear industry. The use of a 'milky' or opaque fluid was essential. It was clear to identify areas where the fluid was seeping through cracks as opposed to more translucent corrosion inhibitor products that couldn't be seen. They had an annual usage of 19 barrels at a total cost of £9,539.00

CHALLENGE

The Castrol product that was being used at the time was producing foul odours associated with bacterial infection in a cutting fluid. This made the operators working environment unpleasant and presented health and safety concerns.

ROCOL DIAGNOSIS

The Castrol product was being stored in two 1,000L IBCs before being pumped into the pressure test systems. The fluid would stay in those IBCs for a maximum of two weeks. Because the Castrol product was being used at a dilution below its normal operating range it was degrading very quickly. Bacterial infections spread within the fluid as the weakened Castrol product could not protect against it.

RECOMMENDED Rocol PRODUCT

ROCOL ULTRACUT EVO 250 – a high quality, water soluble cutting fluid formulated to give a long and predictable sump life.

WHY IS THIS THE SOLUTION?

Laboratory tests at Rocol verified the initial diagnosis from site visits, Rocol suggested two options;

1. Run the Castrol product at the correct dilution (20:1) so that the product wouldn't degrade prematurely. This, however, would result in a significant increase in the usage of the product and nearly double the cost of using the product.
2. Use Rocol ULTRACUT EVO 250. It could be used at a higher dilution (50:1) whilst protecting against bacterial infection and providing all the necessary performance needed for the application. This option would not only provide a solution to the bacterial degradation concerns but, also offer cost savings and an enhanced service package to help monitor the fluid in use.

The Rocol product was 43% more per barrel than the Castrol product. However, ULTRACUT 250 ran at 50:1 versus 20:1 and so reduced the usage from 19 barrels a year to just 8. This resulted in a total cost of £6,896 for the year, a saving of £2,643.

SUCCESS

ROCOL ULTRACUT EVO 250 has been used for over 2 years now and all previous issues have been eradicated. Weir Valves and Controls now receive a monthly service visit to check the fluid and to make sure all is running as it should be. This extra backup helps to give Weir Valves and Controls peace of mind knowing that the fluids they use from Rocol are looking after their operators and providing the performance they need, whilst being extremely cost effective at the same time.

