

CASE STUDY: ULTRACUT 370 EP – Burnside Eurocyl

Performance you can trust



LOCATION

Carlow, Co. Carlow, Ireland

APPLICATION

A hydraulic cylinder manufacturer. They are a leading supplier of hydraulic cylinders in Europe and supply to OEMs worldwide.

BACKGROUND

ROCOL approached the company with their local distribution partner T.E.D, to discuss their current cutting fluid requirement and usage.

CHALLENGE

After a site survey and meeting, it was discovered that the company had the following issues.

- No control over mixing. Current mixing unit was not working properly.
- High consumption of current product.
- Operators do not monitor the fluid in the machines. Inconstancies with the mix ratio. Lack of knowledge on how to monitor.
- Issues with smells and bacteria in the machines.
- Sites spend in fluids was increasing and would like a cost saving.

THE Rocol SOLUTION

ULTRACUT 370 EP with an economical top up dilution of 60:1 was specified with the view to eliminate the problems they were having on site.

With the economical dilution top up, their metalworking fluid consumption on site was dramatically reduced. The EP additives in 370 EP, also give tooling protection and has given site a cost saving in this area.

To prove this was the ideal solution, a trial of the product was proposed and run over a series of weeks in selected troublesome machines.

An automatic fluid mixer was recommended to ensure the correct mix ratio of the cutting fluid when filling and topping up. This gave operators control over the mixing.

Onsite training was provided to teach the operators how to check the machine %, use the mixer and things to look out for when having cutting fluid issues, with advice on how to fix them.

The site was provided with an ULTRACARE folder containing all the relevant datasheets, for audit purposes.

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WHY?

ULTRACUT 370 EP

Extreme pressure, long-life, high dilution, semi-synthetic fluid

- EP additive package providing medium to heavy duty machining performance.
- Free from bactericide, silicone, chlorine, formaldehyde, nitrites and any animal derived materials.
- Formulated for use on ferrous and non-ferrous materials, including aluminum.
- High dilutions (up to 75:1) provides low in-ump costs.
- Tolerant to tramp oil and low foaming.
- Compatible with hard and soft water.
- Excellent residual corrosion protection.
- Inherently resistant to degradation.

CUSTOMER FEEDBACK

“We are extremely happy with the results we have had on site since working with ROCOL. We have seen extended life in our machine sumps, and our operators are a lot happier working with this coolant. From a personal point of view, I have seen cost savings by using less metalworking fluid and extended tooling life. ROCOL have assisted by improving our mixing station on site. They have also made recommendations on how we can work on our housekeeping skills to maintain the fluid condition in the machines. I have found their support very effective.”

Theo Byrne – Machine Shop Manager