

CASE **STUDY**

FULL PUMP

**REFURBISHMENT BY
HAYLEY 247 DEXIS
IMPROVES ENERGY
EFFICIENCY**

CS01424/7



HAYLEY

DEXIS

HAYLEY DEXIS

MECHANICAL ENGINEERING SERVICES // PLASTIC

Focus on **value**



KEY VALUE AREAS



TOTAL COST OF OWNERSHIP



SERVICES

THE SITUATION

The customer, a plastic fabrication company based in Yorkshire, had contacted their local HAYLEY DEXIS branch, planning to conduct a refurbishment on a pump unit.

The job was referred to the industrial pump repair specialists at HAYLEY 247 DEXIS in Dudley, who agreed to carry out the work. This was then scheduled for a date convenient for the customer, where the pump would be collected and brought to the workshop.

THE SOLUTION

Following the standard strip and inspection being completed at the Dudley workshop, it was determined that the pump's internal clearances were outside of both the OEM's values and the Water Industry Mechanical & Electrical Specifications (WIMES). A full energy efficiency refurbishment was recommended and accepted by the customer.

Individual components within the pump were cleaned, inspected, and tested with results recorded in a

detailed condition report, with all issues found then addressed. The pump's impeller, volute casing, and back wear plate were also coated with Belzona 1341 to reduce friction losses and improve the pump's hydraulic efficiency.

THE RESULT

The pump was tested to numerous quality standards during its time in the workshop including BS EN ISO 9906:2012, IEC 60041, and ISO 5198/9. This gave the customer total confidence in the quality of the



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BOTH THE RELIABILITY AND HYDRAULIC EFFICIENCY OF THE

PUMP UNIT HAVE BEEN IMPROVED.

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refurbishment work being carried-out.

As a result of the project, both the reliability and hydraulic efficiency of the pump unit have been significantly improved. This means that the power consumption of the pump has been reduced, bringing down the assets' running costs for the customer.

CONTACT US!

Speak to your local HAYLEY DEXIS branch today!

You can find their details by using our online Branch Finder tool:

www.hayley-group.co.uk/branch-finder.

KEY SOLUTIONS

Pump refurbishment by HAYLEY 247 DEXIS.

Belzona 1341 (Supermetalglide).

KEY RESULTS

Electricity consumption reduced.

Running costs of pump reduced.

Reliability of pump improved.





HAYLEY

DEXIS