

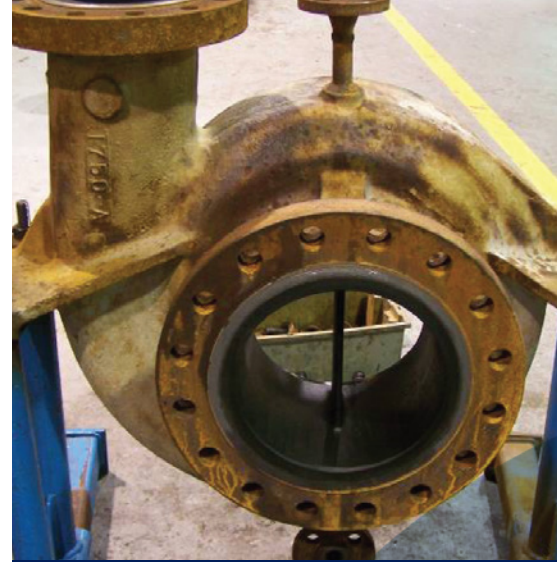
CASE STUDY

**SKILLED REPAIR
DRAMATICALLY REDUCES
COST AND LEAD TIMES**

- Lead time minimized from 26 to three weeks
- 25% cost saving on repair versus replacement
- Pump performance and reliability restored

CHALLENGE

Our customer was experiencing reliability issues with a third party OH2 pump at their downstream oil & gas facility. In addition, the performance of the pump had deteriorated over the years due to wash-out in the volute areas of the casing.



**CLYDEUNION®
PUMPS**

Industry: Oil & Gas - downstream
Region: Americas
Category: Service Centre overhaul
API Type: OH2



Existing bearing housing and cast cover



Completed pump

SOLUTION

Celeros Flow Technology’s Aftermarket team undertook to repair the existing 4 x 6 x 8.5 OH2 pump casing and install an API 610 10th edition Back Pull Out assembly and new mechanical seals.

The project included undercutting and weld repairs to the damaged volute tips. The suction and discharge flange faces were also weld repaired, along with the case ring and register fits. The casing was stress relieved following welding, and machine finished before being hydrostatically tested. The Back Pull Out assembly was then fitted and the completed pump was painted and prepared for shipment back to the customer’s site.

A new bill of material was created in our system, so that Celeros FT will be able to provide all spare parts to the customer in future. The pump was provided with a complete data package, and was installed on the existing baseplate without modification.

OUTCOMES

Since initial installation and start-up, the pump has operated to the client expectations. Repairing rather than replacing the existing pump delivered a 25% cost saving and reduced lead times from 26 weeks to three weeks.

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