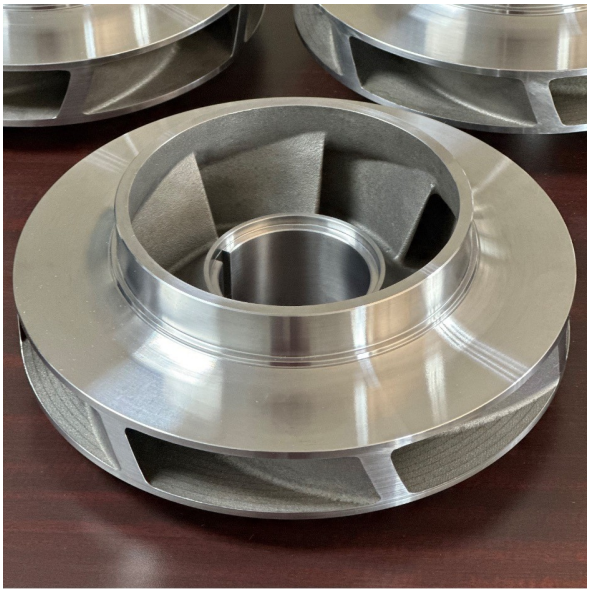
State of the Art Parts- Rerated Impeller

Hydro®

Engineering Pumps for
Better Performance and Longer Life



Hydro Parts Solutions recently manufactured three impellers for a rerate project being developed through Hydro's Rocky Mountain service center in Denver, CO. Hydro Global Engineering determined the new hydraulic design for the rerated pump, which required modifications to the casing and new impellers.



The end user chose to have the new impellers manufactured out of CA6NM using investment casting, which provides a smoother surface finish to slightly increase the impeller efficiency. Hydro Parts Solutions drove the project from casting package design through final machining, with the impellers being cast and finish-machined within 6 weeks.

The new pump design was successfully tested at Hydro's performance test lab, validating the new hydraulics. The custom performance will help the midstream end user achieve their desired system flow with maximum reliability and minimum energy usage.

Explore Hydro Parts Solutions' design process in this video case study.