



# Hydraulic Rerates & Pump Efficiency

During a mechanical seal replacement at a major gas plant, a reliability engineer identified that their API OH2 centrifugal pump was operating below the Minimum Continuous Stable Flow (MCSF).

In this case, [Hydro Rocky Mountain](#) partnered with [HydroTex Deer Park](#)'s engineering team to provide the customer with an innovative solution by utilizing the existing casing and providing a redesigned impeller to optimize the overall efficiency and life cycle of the unit.

Watch as Ares Panagoulas and Glen Powell, of [Hydro's test lab](#), examine the historic operating conditions in regard to the pump's best efficiency point (BEP) and provide a performance test to validate the upgrades and modifications.

[Case Study: Hydraulic Rerates & Pump Efficiency](#) from [Hydro, Inc.](#) on [Vimeo](#).

Read the full article on World Pumps: [worldpumps.com/ancillary-products/features/seal-replacement-reveals-causes-of-vibration/](https://worldpumps.com/ancillary-products/features/seal-replacement-reveals-causes-of-vibration/)