

Application story



Furnace Oil Injection - Reliability for Productivity

Location	India	Hydra-Cell model	G25XMSGHFEHB
Type of application	Furnace Oil Injection	Flow rate	Up to 67 lpm (15 gpm)
Liquid	Furnace Oil	Pressure	Up to 15 bar (217 psi)
Application details	An Indian mining and steel company needed a pump to inject furnace oil to maintain temperature to enable the burner system to operate efficiently. The previous gear pump was losing pressure after just one week due to the non-lubricating and solid particles of the process oil wearing the seals, resulting in unplanned downtime and huge loss of production. A replacement gear pump was needed every 15 days. Hydra-Cell was then chosen as an alternative. Commissioned in July 2019, it has been running completely problem-free.		
Advantages of Hydra-Cell pump on this application	• Reliably handles entrained solid particles • No dynamic seals to wear or replace • Constant flow rate independent of pressure • Minimal servicing requirement • Lower lifetime costs		

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