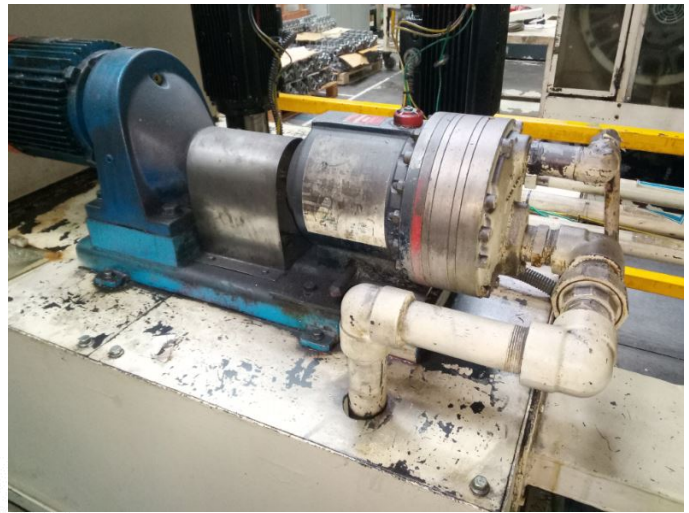


Application story



High Pressure Coolant for Automotive Component Manufacture (4)

Location	India	Hydra-Cell model	G25XKCTHFECA x6
Type of application	High Pressure Coolant for Automotive Component Manufacture (4)	Flow rate	69 L/min (18.2 gpm)
Liquid	Machine Tool Coolant	Pressure	40 bar (580 psi)
Application details	Tata Motors is a leading global automobile manufacturer with a portfolio that covers a wide range of cars, sports vehicles, buses, trucks and defence vehicles. As the largest Indian automobile producer, the Company manufactures and assembles passenger cars and utility vehicles in its Pune plant in the state of Maharashtra. It has been discovered that a Hydra-Cell G25 pump has been pumping high-pressure coolant on a Niigata horizontal machining centre for some 18 years without a single part having to be replaced. Producing crankshafts on this machine requires constant coolant flow and pressure to achieve the close tolerances required. The Hydra-Cell has provided this for many years with zero maintenance. Unlike screw or gear pumps that require close internal tolerances in order to function efficiently and are damaged by entrained solid particles and machining fines in the coolant flow, Hydra-Cell pumps can handle these without damage. The Company is so impressed with the Hydra-Cell's performance that it has commissioned a further five Hydra-Cell pumps since that first one was installed.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Seal-less design, that is 100% leak-free. - Maintain constant pressure. - Easy in-situ maintenance.		

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