

Application story



High Pressure Coolant for Pipe Threading

Location	Russia	Hydra-Cell model	G25XKCTHFEHB
Type of application	High Pressure Coolant for Pipe Threading	Flow rate	50 L/min (13.2 G/min)
Liquid	Machine Tool Coolant	Pressure	20 bar (290 psi)
Application details	Hydra-Cell® Cools the Tool in Pipe Threading Volzhsky Pipe Plant in Volzhsky City is a major Russian pipe manufacturer, employing over 10,000 people and serving the power, oil & gas and chemical industries. The Company was experiencing problems with a screw pump that delivered coolant in a screw threading operation. Abrasive fines entrapped in the coolant caused excessive wear within the pump to such an extent that the stator had to be replaced every six months... both costly and inconvenient. The pump was replaced with a Hydra-Cell G25 which handles the abrasive particles without trouble. As a consequence, maintenance and spare parts costs have been reduced dramatically. The Hydra-Cell replacement pump has also proved more economical to operate as it is more energy efficient than its screw pump predecessor.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - The ability to handle this particle laden liquid with ease. - Its seal-less design, means that no fine filtration is required, along with no dynamic seal to wear.		

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