

Application story



High Pressure Coolant for CNC Machine Tools (1)

Location	Netherlands	Hydra-Cell model	G12XKCTSFECA
Type of application	High Pressure Coolant for CNC Machine Tools (1)	Flow rate	Up to 30 l/min (8 gpm)
Liquid	Machine Tool Coolant	Pressure	Up to 70 bar (1000 psi)
Application details	In March 2012 the service coordinator at Hydra-Cell distributor PromoTec visited a Dutch customer for a repair on a Hydra-Cell G12 pump. But the problem turned out to be a broken oiler. It had been damaged during internal repositioning within the machine shop. It also emerged that the customer was operating twelve or more Mayfran filtration systems, each fitted with a G12 pump. All the pumps have been in 24/7 operation since 2005 – with no maintenance at all. The customer has never had a pump failure. What they did have was good installation. The G12 pumps are mounted on very low tanks. Liquid level in the tank is always just above pump level and the pumps have no suction pipe. According to an operator they have no problems with air. Air is not blown in. There is no turbulence in the tank, so liquid flow is very calm. A pump application without a single problem – and another very satisfied Hydra-Cell customer.		
Advantages of Hydra-Cell pump on this application	Reliable pumps, well installed.		

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