

MACHINE TOOL COOLANT

Quick STUDY

Hydra-Cell
Seal-less Pumps

www.Hydra-Cell.com

Location:	Netherlands
Application:	Machine tool coolant pumping
Media:	• Coolant
Model No.:	D12
Flow Rate:	Up to 8.8 gpm (33.4 l/min)
Pressure:	Up to 1000 psi (69 bar)
Hydra-Cell Advantages:	• Reliable pumps, well installed

Continuous Operation without Maintenance or Failure

In March 2012 the service coordinator for a Hydra-Cell distributor visited a Dutch customer for repair on a Hydra-Cell D12 pump. The problem turned out to be a broken oiler. It had been damaged during internal repositioning within the machine shop.

It was also revealed that the customer was operating twelve or more Mayfran filtration systems, each fitted with a D12 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 D12 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.

Characteristics of Fluid Pumped:

- ☒ Contains Abrasives ☐ Corrosive ☐ Solids in Suspension ☐ High-temp. (>158°F/70°C) ☐ Non-lubricating ☐ High-viscosity (>500 cPs)