

MACHINE TOOL COOLANT

Quick

STUDY

Hydra-Cell
Seal-less Pumps®

www.Hydra-Cell.com

Location:	Germany
Application:	Machine tool coolant system on large lathe
Media:	• Machine Tool Coolant • Emulsion
Model No.:	D35XDCGHFEYB
Flow Rate:	40 gpm (150 l/min)
Pressure:	580 psi (40 bar)
Hydra-Cell Advantages:	• Pressure capability • Flow/pressure easily adjustable over the entire flow range • Low operating costs • Low pulsation • Ability to handle non-lubricating liquids and liquids with abrasive content • Easy maintenance • Reliability



Heavyweight Machining for Recycled Coolant

For pumping coolant emulsion at 580 psi on this large lathe (nearly 79-ft. long and able to machine parts as heavy as 50 tons) the customer chose a Hydra-Cell D35 pump. It successfully handled recycled coolant emulsion carrying solids in suspension, while its flow and pressure performance raised system efficiency and improved chip removal from the work surface

Characteristics of Fluid Pumped:

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