

AUTOMOTIVE

Quick STUDY

Hydra-Cell®
Seal-less Pumps

www.Hydra-Cell.com

Location:	United Kingdom
Application:	Cleaning engine blocks
Media:	• Recycled water
Model No.:	D35XKSGHFEHH
Flow Rate:	Up to 40 gpm (140 l/min)
Pressure:	Up to 1200 psi (83 bar)
Hydra-Cell Advantages:	• Seal-less design • High-pressure capability • Ability to handle recycled water with fine particles • Reliable operation at liquid temperatures of 158° - 176°F (70° - 80°C)



Degreasing Earthmover Engine Blocks for Refurbishment

A surface treatment specialist manufactures equipment for degreasing, washing and wet and dry blasting. The company cites reliability combined with high pressure capability as the main reasons for installing Hydra-Cell pumps in its spray washing machines. Models used include the D03, D10, H25, and now the D35.

The D35 is incorporated in a machine designed for a particular customer application - cleaning and degreasing the engines of earthmoving machines undergoing refurbishment. The pump delivers a solution of chemical and hot recycled water to the cleaning nozzles. Using a high pressure pump saves water because components to be cleaned do not need flooding to emerge thoroughly clean. There is further water saving because the pump can handle particles, with no need for fine filtration. This enables the system to work on recycled water.

The D35 was chosen following development trials of the new cleaner. See photo, 'Before' and 'After' cleaning test.



Characteristics of Fluid Pumped:

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