

Application story



Cleaning Engine Blocks

Location	UK	Hydra-Cell model	G35XKSGHFEHH
Type of application	Degreasing Earthmover Engine Blocks for Refurbishment	Flow rate	Up to 140 l/min (40 gpm)
Liquid	Recycled Water	Pressure	Up to 83 bar (1200 psi)
Application details	This UK 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 G03, G10, G25 and now the G35. The G35 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 G35 was chosen following development trials of the new cleaner. See photo, 'Before' and 'After' cleaning test.		
Advantages of Hydra-Cell pump on this application	Seal-less design. High pressure capability. Ability to handle recycled water with fine particles. Reliable working at liquid temperatures of 70-80°C (158–176°F).		

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