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NISSAN's FLUID SAVINGS ARE SUBSTANTIAL
... 160,000 litres reclaimed and £20,000 savings per annum in prospect

When Nissan Motor Manufacturing (UK) Limited installed its Master Chemical fluid recycling system in March last year, its initial aim was to reclaim between 60% and 80% of its waste production cutting fluids. The system soon substantially broke through this target and within months was achieving levels of 90% - 95%.

Now, less than a year on, the results continue to surprise with reclaim efficiency levels of 100% being recorded in recent months, assisting NMUK's control of on-site waste and ISO 14000 environmental objective, in particular the on-site waste management volume.

Demand on the system has grown in line with NMUK's increased production of Cylinder Heads at its Sunderland plant. This growth in manufacturing was resulting in its swarf-centrifuging system extracting upwards of 1000 litres of machining fluids per day. As a responsible manufacturer, keen to conform to ISO 14000 environmental management standards, NMUK invested in a Master Chemical XYBEX® 3000 Autodesludge Centrifuge Recycling System.

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This water miscible system is specifically configured to remove tramp oil and particulate matter from coolant and wash fluids down to 8 microns or less. The unit is equipped for use on high temperature and high pH fluids and, being mobile, it is able to process fluids in different locations within the NMUK engine parts manufacturing facility.

Since the launch of the system in April 2004, NMUK have saved just over 160,000 litres of metalworking fluids (a result published by NMUK Engineering Department). This presents the prospect of NMUK saving in excess of £20,000 per annum in coolant oil alone. So a speedy return on investment is certainly assured for NMUK. All in all, the system has far exceeded the initial expectations/planning calculations.

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