



Case Study

DPF installed on 98kW mobile hydraulic excavator

The customer approached Johnson Matthey for a solution to control particulate emissions from a Hitachi mobile excavator type ZAXIS 170W.

Working closely with the customer Johnson Matthey recommended that the most suitable emissions reduction system for this type of non-road application was the Continuously Regenerating Trap (CRT[®]) system.



Background

The customer's Hitachi mobile excavator was being used in an inner city location in London and was required to meet the necessary emissions legislation of the city which stated that a certified DPF system, which operates under low duty cycles, should be fitted.

Johnson Matthey recommended the CRT[®]-DPF particulate filter system for its continuous regeneration and fitted the filter as standard to the machine.

The system was easily installed in place of the muffler and was effective immediately.



Original muffler



DPF-CRT[®]-UK 2010SL

Summary

Product information:	DPF-CRT-UK
Application:	Hitachi Excavator ZX170W
Engine:	ISUZU
Location:	London, UK
Installation Date:	March 2012