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### THOROUGH ON-GOING EXAMINATION COSHH TEST OF LEV SYSTEM

LEV System Number:-		<b>LEV 02</b>		Report Number:-		<b>J8538</b>	
<b>1. Name of Company</b>		<b>Mr Engineering co</b>					
<b>2. Address</b>		Acrington					
<b>3. Contact Name &amp; Telephone Number</b>		Mr Man					
<b>4. Identification of LEV plant</b>		Mobile Weld Fume Extractor					
A. Equipment Manufacturer/Installer		Kemper					
B. Notes		Mobile Weld Fume Extractor c/w 4m economy fume arm and integral fan. Pre filter and HEPA filtermake up the filtration. Hood is 270mm diameter.					
<b>5. Location of LEV Plant</b>		Welding Workshop					
<b>6. Identification of process</b>		Removal of welding fumes and dust at source.					
<b>7. Hazardous Substance(s)</b>		Fumes and dusts created by welding processes. WEL's apply, Please refer to the relevant Material Safety Data Sheets (MSDS). Hazard Band and Risk Phrase: see relevant MSDS for the products used.					
<b>8. Regulations Applicable</b>		COSHH Regulations 2002 (as ammended) HSG258					
<b>9. Condition at time of Appraisal</b>		The unit was stood down from normal operation at time of test					
<b>10. Does the LEV control the Process?</b>		Yes. A qualitative test was performed and the system contains the fumes when the hood is placed within 150mm of the source.					
<b>11. Method used to make judgement at 10</b>		Airflow measurements took at the hood using an anemometer. A qualitative test was performed using smoke tubes and observing the system when in use.					
<b>12. Condition of Filter(s)</b>		HEPA filter is slightly damaged and there is a possibility of the contaminant by passing the filter. Pre filter is caked and requires cleaning.					
<b>13. Is the LEV plant in good order.</b>		Hood joint was re-tentioned.					
<b>14. Repairs/modifications required to ensure the LEV plant effectively controls the Hazardous Substances(s)</b>		Ensure that the filters and arm is maintained well. Use the log book attached to the report to help maintain a checklist to the system. Empty the collection bin at interim periods in accordance with the processes. Remove and clean filter at regular intervals. A filter indicator light is present on this unit.					
<b>15. Intended operating performance</b>		In relation the HSG258, it is recommended that a minimum capture velocity for fume is 0.5m/s at the source.					
<b>16. Observations/Notes</b>		Fumes are filtered and re circulated. Potentially fumes are by passing due to damaged HEPA filter.					
<b>Number of Extraction Points:-</b>		<input type="text" value="1"/>		<b>Points to be used at any one time:-</b>		<input type="text" value="1"/>	
<b>17. Fan Details</b>	Manufacturer:-	Kemper		Speed (rpm):-	2820		
	Model No:-	B410010104		Current (A):-	0.84		
	Power (kW):-	1.1kW		Max Flow Rate (m3/hr):-	1200 M3 / HR		
<b>18. Motor Details</b>	Fan Type	Centrifugal					
	Serial No:-	B410010104		Speed (rpm):-	2820		
	Direction of Rotation:-	Correct		Maximum Pressure (Pa)	1350 pa		
	Manufacturer:-	ABB					







**CERTIFICATE**

In accordance with the requirements of the CoSHH regulations 2002 approved code of practice, the system below has been tested. (This certificate is valid if shown as passed below).

Company Name:-

**Mr Engineering co**

Address:-

**Acrington**

LEV No.

**LEV 02**

Plant Description:

**Mobile Weld Fume Extractor**

Plant Location:

**Welding Workshop**

System Passed / Failed:

**PASSED**

Date:

**09/04/2013**

Signature:

*W. Wilkes*

TESTING CARRIED OUT BY:-

In Association with

INFO: XTRACT SYSTEM

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**C-Air Filtration**