

CNC Extract



**Local Exhaust Ventilation
(LEV)
Log Book**

HSG258

HSG258 Controlling Airborne Contaminants at Work – a guide to Local Exhaust Ventilation (LEV) states that all LEV system owners (employers) need both a 'user manual' and a system 'logbook'.

This logbook is designed to act as a record of all weekly operator checks, regular services and routine LEV Tests. CNC Extract recommends that weekly checks are undertaken, but daily checks may be required in more arduous applications.

HSG258 (319) states that identified checks for each item in the system could include:

- Hoods, including airflow indicators, physical damage and blockages
- Ducts, including damage, wear and partial blockage
- Dampers – position
- Air cleaner, including damage, static pressure across the cleaner, and failure
- Alarms
- Air mover, including power consumption and changes in noise or vibration
- Maintenance carried out
- Replacements made
- Planned and unplanned repairs
- Operator's use of the LEV – check they are following correct procedures

The date of the check should be entered, along with the signature of the person who inspected the system and any specific comments.

HSG258 (320) states specific examples of data which could be recorded, including:

- Clearance time for a room enclosure or booth
- Receiving hood positioning, particularly for moveable hoods
- Capturing hood and working zone within the capture zone
- Operator making sure the source is well within a partial enclosure
- Operator working sideways-on to the airflow in a walk-in booth
- Clutter obstructing LEV
- Checking the fan noise and keeping the impellers clean
- Fan bearing replacement
- Filter material replacement

Oil mist extraction systems	
Check that the unit is turned on and operational.	
Check all grilles and pre-filters within the extraction ductwork and ensure they are clear.	
Check that the machine enclosure is clearing.	
Check the position of airflow regulator controls. These will have been set and marked during the installation / commissioning process.	
Check any interconnecting ductwork for damage or leaks, and check that all ductwork connections are secure.	
Check that the drain pipe is unrestricted and not submerged (unless the user manual specifies that it should be submerged). Empty the collection container if one is used.	
Check that any 'U' bend drain (if fitted) is functioning correctly. Follow similar checks for the drain hose.	
Check for excessive vibration or unusual noises.	
Check the capture hoods (if fitted) for change of position, damage or blockage.	
Check the condition of the afterfilter (if fitted).	
Check the status of the visual airflow indicator (if fitted).	

