

Daily Maintenance (Print out check lists for general use)

Cremator Number	
Daily Maintenance (machine)	Initial
Check that the Insertion door seal is not damaged and clean.	
All inspection sight glasses to be checked and cleaned.	
Ensure there is sufficient printer paper for all the required reports.	
Daily Maintenance (Analytical Panel)	
Check that the peristaltic pumps are rotating and that no roller springs are broken. A regular rise and fall in the flow on the analysers may indicate a broken or damaged spring. A faulty pump will not discharge condensate correctly and must therefore be repaired or replaced.	
Check that the indicator lamp on the cooler is operating and showing an intermittent on/off signal (green). If the lamp is continuously illuminated this may indicate a fault in the cooler, or an excessive build up of heat inside the analyser cabinet. Check that the cooling fan is running inside the cooler cabinet.	
Check that the gas flow reading on the rotameter on the Ultramat is reading approximately 2.5 l/min. In addition, check the flow on the fast loop, this should be reading 120 l/hr (if fitted).	
If the above flow can not be maintained, then check the heated head filter and/or the coalescing filter for cleanliness. If the filters require cleaning or replacing, see Routine Maintenance. After replacing the filters, reset the analyser flows using the procedure detailed in initialising the cremator. If flow can still not be maintained then there may be a fault with the sample pump. Note: A complete loss of flow to the analyser may be due to condensate carry over from the cooler. The moisture sensor on the front of the cooler should be carefully removed, dried and refitted.	
Check the condition of the paper filters on the front of the analyser; replace with new filter if dirty. (Part No UM3452). Ensure that the filter housing is fastened tight, and the 'O' ring which forms a gas tight seal is in position.	
Check that the ventilation fan at the bottom of the cabinet is working and check the condition of the air filter (UM3821). The filter and fan should be kept clean at all times to allow adequate ventilation. If the filter has a heavy accumulation of dust, remove it, rinse through with clean hot water from the opposite side, and replace.	
Check the level of condensate in the collection vessel. Empty this vessel if necessary as per the procedure detailed in - Routine Maintenance.	
Service carried out by -	Date
<i>Sign :</i>	

Weekly Maintenance (Print out check lists for general use)

Cremator Number	
Weekly Basis (machine)	Initial
The Skil pressure controller impulse pipe should be cleaned out. To do this, remove the plug, rod out the tubes and replace the plug. With the plugs out and the door open ensure that the suction reads 0mm on the Status screen. If not call Facultatieve Technologies .	
Check that the combustion air fan non-return valves are functioning correctly.	
If your system is has an Induced draught damper, check that there is sufficient grease on the bearings. If not add high temperature grease as required using the grease gun.	
Check and clean the combustion air fan intake vents, and the ventilation intake vents if applicable.	
Check the condition of each thermocouple via instrumentation, see thermocouple fault finding .	
Weekly Basis (analytical)	
Change the ceramic filter (Part No UM3740) in the head sample probe. See Routine Maintenance .	
Following replacement check that the heater on the probe is working by carefully feeling for heat radiated from the head surface. WARNING! DO NOT TOUCH THE HEATED SURFACE!	
Change the coalescing filter (Part No UM3711) on the conditioning panel.	
Service carried out by -	Date
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Monthly Maintenance (Print out check lists for general use)

Monthly Basis (machine)	Initial
Check the condition of each thermocouple as described in Weekly Basis.	
The passageways should be cleaned out every 6 months. See Routine Maintenance .	
Oil the charging and ash door (if fitted) raising gear chains and sprocket bearings. If the main shaft bearings are fitted with lubricators, ensure that these are packed with grease.	
Check that the impeller turns freely on the combustion air fans and I D fan (if fitted), and that the units operate without excessive vibration or noise. If the fan belt tension is not correct report to Facultatieve Technologies . ENSURE MOTORS ARE ISOLATED BEFORE CHECKING.	
If Opacity is giving unusual readings, ensure that the light transmitter and receiver lenses on the opacity probe are clean.	
Monthly Basis (analytical)	
Check the conditioning panel for leaks by turning the valve to the off position, this will stop the flow through the fast loop system. Visually check joints for fluid leaks.	
Check the Ultramat Flow Sensors.	
Check and reset the flows using the SET-UP Procedure. Note: The Ultramat will still be registering flow, since it is drawing samples from the fast loop rotameter.	
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