

Risk Assessment Summary Sheet

Ref 038

Activity/Workplace; Exhaust Fumes in Small Vehicle Workshop

Generic Risk Assessment						Risk Assessment after application of Control Measures					
Hazard	Risk	Risk Group	Likelihood	Severity	Risk Rating before controls	CONTROL MEASURES	Responsible Person	Likelihood	Severity	Risk Rating after controls	
Exhaust Fumes	Irritation to the respiratory tract (coughing, breathlessness)	Employees Visitor	3	4	12		Vehicle/fleet workshops layout to be designed taking into account hazards from exhaust fumes, i.e. maximising opportunities for natural air flow/fresh air and/or ensuring appropriate Assess requirement for extraction system, maintenance/fault reporting implemented as necessary Install carbon-monoxide monitors linked to a visual and audible alarm. Employees to be made aware of system, how it is used, fault recognition/reporting and rules for use. Mark out pedestrian routes and restrict access to unauthorised persons, public etc. Cleaner fuels such as low sulphur diesel used where possible Suitable welfare facilities and first aid arrangements in place, pregnant women excluded Turn off any/all engines immediately should CO monitors sound Test CO monitors and alarms on a weekly basis, arrange service/maintenance by competent person at least once very six months or as directed by the manufacturer Vehicles should be revved/warmed up outside (white smoke indicates cold engines) Exhaust extractions to be used at all times. Exhaust extraction system to be regularly maintained. Report visible haze, blue/black smoke (indicates ventilation not appropriate and engine faults) RPE should only be used as a last resort. The RPE chosen should be suitable for protecting against the gaseous and particulate components (dust masks can be ineffective) Employees are to comply with any identified health surveillance/monitoring systems, and must also advise supervisors of any potential health concerns as soon as possible Any vehicle/fleet workshop employees observing non-use/misuse of PPE, equipment or the unnecessary running of vehicles/engines, should report to line management immediately Employees to receive appropriate toolbox talks on regular basis	Line Management Employees	1	4	4
	Irritation to the eyes and skin		3	2	6	1			2	2	
	Headaches, dizziness from excessive carbon monoxide		2	4	8	1			4	4	
	Risk of burns from hot exhaust/engine systems.		2	2	4	1			2	2	
	Limited risk of lung cancer from decades of exposure.		2	5	10	1			5	5	