

Cement Mixer

Review date: 20/02/11

Document no. SMS-06-SW-1124	Work description: Use of cement mixer, (petrol / electric).					
	Scope: Applicable to all cement mixers.					
Review date	References: (relevant SWMS, legislation, codes or practice, Australian Standards or manufacturer's manual) OHS Reg 2001 Chapter 5. WorkCover Code of Practice for Electrical Practices on Construction Sites. WorkCover Code of Practice for Control of Workplace Hazardous Substances. SMS-06-GD-0225 Plant. SMS-06-GD-0403 Plant Risk Assessment.					
Tools and equipment required: Cement mixer, Correct fuel, tagged power lead, Shovel.						
IF CONTROL MEASURES ARE NOT SUITABLE AND MAJOR CHANGES ARE NEEDED, CONDUCT A RISK ASSESSMENT AND DEVELOP NEW CONTROLS ACCORDING TO SMS-06-PR-0104 WORKPLACE RISK MANAGEMENT.						

	Warning: Do not wear loose clothing near machine when in operation. Keep power leads out of water by the use of plastic insulated lead stands and hooks. Make sure power leads are tagged before use. Don't smoke when refuelling mixer.
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Site / job planning	<ul style="list-style-type: none"> Place the first aid kit and fire fighting gear nearby. Follow all worksite procedures, e.g. Induction, Pre-Work Brief. Conduct a pre-work brief, including the following – consider the job, the environment and the weather (eg. fire risks are higher near long grass or in hot, dry or windy weather). When refuelling a petrol powered cement mixer: <ul style="list-style-type: none"> Use a funnel to help refuel the mixer. keep fuels, people, site equipment and anything flammable well away. keep Material Safety Data Sheets (MSDS) for fuels and lubricants on site.
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	Warning: Petrol mixers are not be used in tunnels and or confined spaces – poisonous carbon monoxide can build up if used in these areas.
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Pre – start checks	<ul style="list-style-type: none"> Operator to check fuel / oil / power leads. Operator to check that mixer is in serviceable condition. Operator to check if mixer works properly.
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	Warning: <ul style="list-style-type: none"> Do not place shovel, arms, and hands in agitator when in operation. Keep clear of mixer bowl where practicable. Be aware of moving parts. Wear eye and breathing protection while using cement dust. The dust can be hazardous to your health.
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Using the mixer	<ul style="list-style-type: none"> Locate mixer on stable level ground. Remove any unnecessary obstacles around mixer. Place power lead in position where it is not near water and not a trip hazard. Use plastic insulated lead stands and hooks. Place mixer (petrol) in well ventilated area. Make sure there is sufficient clearance under mixer bowl for barrow to be placed. Select suitable site near mixer to place cement/sand/aggregate/tools and water for use. Use water container / drum and small bucket for mixing. When emptying bowl, keep firm grip on handles. When finished job, clean machine down correctly. 	
Refuelling petrol powered mixers	<ul style="list-style-type: none"> Turn off the cement mixer before adding fuel. Have good ventilation when refuelling or mixing fuels. NEVER start the mixer if there is fuel spilt on it or if there is a leak in the fuel system. If there is fuel on your clothes, change them before starting the cement mixer. Only use the correct fuel for the cement mixer – it should be kept in an open area away from possible sources of flames or sparks. 	
Care and storage	<ul style="list-style-type: none"> Remove cement / concrete from mixer, clean thoroughly with brush and water. The mixer is to be unplugged or turned off before oiling the drive chain. The oiling shall be done at 3 monthly intervals or as required. 	
Inspection and maintenance	<ul style="list-style-type: none"> Conduct maintenance as per the Manufacturer's Specifications. Get an authorised dealer to do any repairs or checks/alterations to the motor settings. Maintain inspection and test records in accordance with SMS-16-SR-0057 Inspection and Testing and SMS-05-SR-0027 Records Management. 	
Additional controls		