

Document Name	Minimum Safety Hardware
Document No	MBG.2.10 – 01-15
Release Date	27/08/15

Mobile Equipment: Minimum Safety Hardware Requirements

This document lists critical safety hardware that may or may not be standard on the Equipment but are required by Milbrae.

The operations manager and workshop manager should consult the supplier of the plant for current full specifications when purchasing new equipment.

Mobile Equipment Type = Concrete Placing Boom and Pump



item	Hardware	Detail	OK
1	Seatbelt	Fitted with suitable anchor points. As per relevant standards. Seat belt must be in date	
2	Flashing amber light – Continuous operation	When fitting amber light it must be clearly visible for both pedestrians and other mobile equipment that share the work area in which the equipment operates.	
3	Reversing alarms	Reversing alarms provide a warning to pedestrians or other mobile equipment in the immediate area that the equipment is travelling in reverse and the operators field of vision may be limited	
4	Night Lights	Lights shall be provided on all equipment. The lights should provide the Operator with adequate visibility when operating at night.	
5	Rear Vision mirror	Internal and external mirrors (both sides) specified. Rear vision mirrors provide the operator with a means to see some of the area behind the equipment during reverse manoeuvring.	
6	Horn	A horn allows the operator to provide warning of the equipment's presence in emergency situations.	



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7	Fire Extinguisher	As a minimum fire extinguisher(s) of a suitable type and capacity shall be installed on equipment. The extinguisher should be fitted at a location on the equipment that is least likely to catch fire, be easily detached by a person from ground level and have gauges that are easily readable. All fire extinguishers should be maintained in accordance with AS 1851.	
8	Lock out switch	The lockout device provides protection by holding the energy-isolating or hazardous energy treatment device in the safe position, this prevents the machine or equipment from becoming energised.	
9	Emergency stop buttons	Enable operator to quickly stop plant in an emergency situation. Inspect access and operation. Easily accessible	
10	Operating Fluids	Are all fluids as per manufacture operating requirements (Hydraulic, Engine, Brake, Radiator)	
11	Access ladder and hand rails	Access to equipment shall allow three points of contact	
12	Air conditioning	Mandatory on all equipment	
13	Communication Radio	Mandatory on all Milbrae owned equipment	
14	Control symbols and warning lights	Are all warning indicators working and clear to read (warning lights, temp, etc)	
15	Warning signs	Warn operator of hot surfaces, high pressure fluids, compressed air, moving parts, etc (refer O.E.M)	
16	First Aid Kit	Required if operating in remote areas	
17	Traffic cones	Required for traffic management. Minimum of 450mm and reflective	
18	Operational signage	Site exclusion zones for pedestrians and traffic management including warnings and direction	



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19	Pipe clamps	No signs of deformation or damage. Must have provisions for locking pins.	
20	Safety/locking pins	No signs of deformation or damage. Have enough to fit all clamps with spares	
21	Sole plates	Are not damaged or show signs of deformation	
22	Hopper grate	Must be constructed of parallel bars as a minimum and not exceed 70mm spacing. The top of the hopper grate to any moving parts must be at least 150mm. Including a paddle control interlock mechanism	
23	Rubber hose	All rubber hose is free from any damage, including: cuts and abrasions, wear or exposed reinforcing wire	
24	Tools and Equipment	All tools and Equipment are in good condition and free of visual damage	
25	SWL/Manufacturers plate	Must be in a position where it can be easily identified and kept in a readable condition	
26	Out riggers/Stabilisers	Free from damage. No oil leaks or loose fittings.	
27	Concrete placing boom	Boom hinge pins and locking plates show no sign of damage or wear	

Site:	Arriving from:
Date:	Hours:
Inspection completed by:	
Machine description:	
Circle: Existing Transferred Hired Contractor	
Pre-Start book: YES NO Operators Manual: YES NO	

Actions/Comments	Who	When	Done