

Document Name	Minimum Safety Hardware
Document No	MBG.2.10-01-15
Release Date	27/08/2015

Mobile Equipment: Minimum Safety Hardware Requirements.

This document lists critical safety hardware that may or may not be standard on the equipment but are requirements of Milbrae.

The purchasing officer should consult the supplier of the plant for current full specifications when purchasing new equipment.

Mobile Equipment Type: Off Highway Dump Truck



item	Hardware	Detail	OK
1	Seatbelt	Fitted with suitable anchor points. As per relevant standards. Seat belt must be in date	
2	Operator Protection Guards(OPG)	As per manufacturer specifications, in accordance with relevant standards. Check the compliance plate. R.O.P.S, F.O.P.S To be fitted to all equipment which operates on benches and under high walls	
3	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.	
4	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	
5	Rear Lights	Reversing lights shall be provided on all equipment. The lights should provide the Operator with adequate visibility when reversing at night.	
6	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.	



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7	Horn	A horn allows the operator to provide warning of the equipment's presence in emergency situations.	
8	Brake Light (Red)	The braking lights provide a warning to other vehicles that may be following the equipment that it is slowing down or coming to a stop.	
9	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.	
10	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.	
11	Jump start plug	Anderson plug where fitted (SB 350A 600V)	
12	Access ladder and hand rails	Access to equipment shall allow three points of contact	
13	Operating Fluids	Are all fluids as per manufacture operating requirements (Hydraulic, Engine, Brake, Radiator)	
14	Air conditioning	Mandatory on all equipment	
15	Safety stickers	Minimum requirements: three points of contact, Look up and live	
16	Body up alarm	Both audible alarm and visible light (flashing light recommended) in cab. To reduce noise exposure to the operator the audible alarm can be interlocked with the handbrake so that it only engages when the body is up and the hand brake is not engaged.	
17	Body up interlocks	When the dump tray is elevated the transmission interlocks will only allow the vehicle to engage in first gear	
18	Sun visor	Must be adjustable to suit the operator's needs. Mandatory where originally fitted by the OEM and where sun glare is prevalent	



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19	Rear vision camera	Recommended. Mandatory where fitted by OEM	
20	Communication Radio	Mandatory on all Milbrae owned equipment	
21	First Aid Kit	Required if operating in remote areas	
22	Emergency stops	Two emergency stops (push button type) – one in cabin and the other at ground level. To be fitted to all new and refurbished equipment. Others on a case by case basis	
23	Emergency/secondary brake	To be fitted to all new and refurbished equipment. Others determined on a case by case basis	
24	Supplementary steering system	To be fitted to all new and refurbished equipment. Others determined on a case by case basis	
25	Pressure release radiator cap	To be fitted to all new and refurbished equipment. Others determined on a case by case basis	

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