



HAZARD IDENTIFICATION, RISK ASSESSMENT AND CONTROL

STAGE: DESIGNER, IMPORTER, MANUFACTURER, SUPPLIER, EMPLOYEE

PLANT EQUIPMENT ID: MHP12/34J
 PLANT DESCRIPTION: Trailer Mounted Work Platform

DATE:
 SERIAL NUMBER:
 PERSON CONDUCTING ASSESSMENT:

HAZARD IDENTIFICATION	RISK ASSESSMENT	PRACTICABILITY (IS IT PRACTICABLE TO REMOVE OR MITIGATE THE HAZARD OR RISK)		RISK CONTROL	
		YES	NO (WHY NOT)	SHORT TERM	LONG TERM
STABILITY					
Outriggers not extended	Low	Yes		interlocks fitted to all stabilisers and boom	include in 6 monthly checks - certification item
Outriggers fail - mechanical	Low	Yes		Inspection procedures in operator training	Inspection per AS2550-10
Outriggers retract (accidental)	Very Rare	Yes		Proper maintenance of interlocks	Regular inspection and AS2550-10
Control valve failure	Rare	Yes		Regular maintenance	Regular inspection and AS2550-10
Outrigger/boom interlock fails	Low	Yes		Regular maintenance	Regular inspection and AS2550-10
Interlocks fail	Low	Yes		Regular maintenance	Regular inspection and AS2550-10
Interlocks bypassed	Moderate	Yes		Warn operators with decals	Place warning in operational procedures
Machine overloaded	Moderate	Yes		See structural failure - Machine overloaded	
Excessive manual forces	Moderate	Yes		Warn operators of consequences	Place warning in operational procedures
Excessive wind forces	Moderate	Yes		Warn operators of consequences	Place warning in operational procedures
Soft ground	Moderate	Yes		Operator training	Place warning in operational procedures
Basket caught on obstruction	Moderate	Yes		Operator training - site evaluation procedures	Place warning in operational procedures
Basket hit by moving object	Low	Yes		Operator training - site evaluation procedures	Place warning in operational procedures
Basket slews into obstruction	Moderate	Yes		Operator training - site evaluation procedures	Place warning in operational procedures
Trailer hit by vehicle	Low	Yes		See traffic hazard in Occupational Hazards	Place warning in operational procedures



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		YES	NO (WHY NOT)		
OCCUPATIONAL HAZARDS:					
Trip Hazards					
Trip over extended outriggers or drawbar	Yes		Use marker cones to outline blocking base	Place in training and operational procedures	
Set Up Hazards					
Set up on soft / unstable ground	Yes		Operator training	Place in training and operational procedures	
Set up on excessive slope	Yes		Use slope meter and operator training	Place in training and operational procedures	
Traffic hazard	Yes		Use of marker cones and operator training on knuckle position and traffic awareness	Place in training and operational procedures	
Site hazard - hit by cranes or other mobile plant	Yes		Operator training in site evaluation	Place in training and operational procedures	
Use by unauthorised site personnel	Yes		Disable the unit and make it safe	Place in training and operational procedures	



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Hydraulic Systems Failure					
Check valve or relief valve failure	Low	Yes		Inspection schedules and regular maintenance	Inspection procedures per AS2550-10
Control valve failure	Low	Yes		See Stability section	
Hose failure from mechanical damage and age	Low	Yes		Inspection schedules and regular maintenance	Inspection procedures per AS2550-10



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Pinch and Crush Hazards					
Fingers trapped between booms	Medium	Yes		Operator training and decals	Place in operation manual
Hit by lowering boom	Medium	Yes		Operator training	Place in operation manual
Other Hazards					
Hose burst - high pressure oil jet	Low	Yes		Inspection and maintenance procedures	Inspection procedures per AS2550-10
Hot exhaust	Low	Yes		Exhaust covered by engine cover	Place in operational procedures
Fuel system fire	Low	Yes		Ventilate engine bay	Note warning in operational procedures



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Environmental Hazards					
Electric Shock	Low	Yes		Statutory decals and operator training	Place in operational procedures
- Accidental contact - Intentional contact					
Hitting fixed object	Low	Yes		Operator training	Place warnings in operational procedures
- Bodily harm - Torso/ arm crushed					
Falling objects	Moderate	Yes		Operator training	Place warnings in operational procedures
- trimmed branches - falling tools					
Falling from platform	Low	Yes		Use of safety harness's and decals	Place warnings in operational procedures



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Structural Failure					
Boom fails structurally fatigue , corrosion , damage	Low	Yes		Inspection 3 monthly / yearly	Inspect as per AS2550-10
Joints fail - Pins links etc	Low	Yes		Inspection 3 monthly / yearly	Inspect as per AS2550-10
Level rod connection failure	Low	Yes		Inspection 3 monthly / yearly	Inspect as per AS2550-10
Overload :					
- Lifting excessive load	Low	Yes		Set lift relief to SWL	Place warning in operational manual
- Loading a raised platform	Moderate	Yes		Place in operator training	Place in operations training manual
Hydraulic cylinder structural failure	Low	Yes		Inspection 3 monthly / yearly	Inspect as per AS2550-10

