

Plant Identification : HAULOTTE STAR 10					
Potential Hazard	Risk		Control Methods currently in Place	Additional Control Method Required	Confirmation and Acceptance
	Yes	No			
Entanglement – Can anything become entangled in moving parts?	Y		Bar installed over joystick Slew mechanism fully enclosed Jib cylinder located behind jib arms Precaution in operator manual	Address during company induction	
Crushing/Striking – Can anyone be crushed or struck by moving objects due to:					
Material falling off or onto the plant?	Y		Kick guards fitted as part of platform Precautions provided in operator manual	Tool and equipment may be attached by lanyard	
Uncontrolled or unexpected movement of the plant or its load?	Y		Enable button to activate all movement controls Movement alarm Amber flashing beacon Emergency stop switches fitted to platform and ground controls	None	
Lack of capacity for the plant to be slowed, stopped or immobilised?	<input type="checkbox"/>	N	Braking system designed and tested to comply with AS1418.10 MEWP Brakes auto-engage E-stops immobilise plant	None	
The plant tipping or rolling over?	Y		Stability tested in accordance with AS1418.10:2011 Warnings provided in manual	Operate machine in accordance with load, slope and wind limits	

	Parts of the plant collapsing?	Y		Conforms to AS1418.10 Inspection schedule to check for damaged parts	None	
	Coming into contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair?	Y		Guarding fitted Warning Decals fitted	None	
	Being thrown off or under the plant?	Y		Tested to AS1418.10 including depression and braking tests. Guard rails fitted to platform Warning provided in operator manual	Harness use recommended	
	Being trapped between the plant & materials or fixed structures?	Y		Enable switch fitted Guard rail fitted above controls to prevent inadvertent movement from trapped operator Emergency stop fitted if movement causes trapping	Address during company induction	
	Other factors not mentioned:					
	Inadvertent movement in non-selected direction when slewed 180			Warning decal fitted at control panel Coloured Arrow decals fitted on chassis Warning in Manual		
	Uncontrolled movement during brake-release mode	Y		Brake release system controlled by "hold-on" button. Brakes re-apply when switch is released	Use brake-release on flat ground only with consideration the machine is un-braked in this configuration	

	Cutting, Stabbing or Puncturing – Can anyone be cut, stabbed or punctured due to:					
	Coming in contact with sharp or flying objects?	<input type="checkbox"/>	N	No visible sharp objects		
	Uncontrolled or unexpected movement of the plant?	Y		Enable button fitted Emergency stop fitted. Movement alarm and flashing beacon fitted	Training and Supervision to be provided by site mgt	
	Parts of the plant or work pieces disintegrating?	<input type="checkbox"/>	N	Inspection schedule provided in manual to identify disintegrating components		
	Work pieces being ejected?	<input type="checkbox"/>	N	Guards and covers fitted		
	Coming in contact with moving parts of the plant during testing, inspection, operation maintenance, cleaning or repair?	<input type="checkbox"/>	N	Guarding fitted Warning Decals fitted		
	Other factors not mentioned?	<input type="checkbox"/>	N			
	Shearing – Can anyone’s body parts be sheared between two parts of the plant, or between a part of the plant and a work piece structure?	Y		Warning provided in manual		
	Slipping or Tripping – Can anyone using or near the plant, slip or trip due to:					
	Uneven or slippery work surfaces?	Y		Non slip surface provided on platform		
	Poor housekeeping, e.g. spillage not cleaned up?	Y		Platform provided in clean condition	Supervision by site mgt to ensure machine remains in clean, safe condition	

	Obstacles being placed in the vicinity of the plant?	Y		Storage location for operator manuals	Supervision to be provided by site mgt to ensure platform and work area remains free from obstacles	
	Other factors not mentioned?	<input type="checkbox"/>	N			
	Falling – Can anyone fall from a height due to:					
	Lack of proper working platform?	<input type="checkbox"/>	N	Work platform fitted. Complies to AS1418.10		
	Lack of proper stairs or ladders?	<input type="checkbox"/>	N	Entry at ground level, basket lowers to ground		
	Lack of guard rails or other suitable edge protection?	<input type="checkbox"/>	N	Guard rails fitted. Complies to AS1418.10		
	Unprotected holes, penetrations or gaps?	<input type="checkbox"/>	N	Guardrails fitted		
	Poor floor or walking surfaces, such as the lack of a slip-resistant surface?	<input type="checkbox"/>	N	Platform has slip resistant surface		
	Steep walking surfaces?	<input type="checkbox"/>	N	Tilt sensor prevents machine exceeding acceptable slope for operator movement		
	Collapse of the supporting structure?	<input type="checkbox"/>	N	Inspection requirements detailed in operator manual to inspect structure		
	Other factors not mentioned?	<input type="checkbox"/>	N			
	Suffocation – Can anyone be suffocated due to lack of oxygen or atmospheric contamination?		N	Open air platform		

	Electrical – Can anyone be injured by electrical shock or burnt due to:					
	• The plant contacting live electric conductors?	Y		Electrical Decal specifying minimum clearance is fitted by control panel and at ground control	Plant is not electrically insulated. JSA, Training and Supervision to be provided by site mgt to ensure safe working clearance from electrical fields	
	• The plant working in close proximity to electrical conductors?	Y		Electrical Decal specifying minimum clearance is fitted by control panel and at ground control Precaution in operator manual	Plant is not electrically insulated. JSA, Training and Supervision to be provided by site mgt to ensure safe working clearance from electrical fields	
	• Overload of electrical circuits?	<input type="checkbox"/>	N	Regular service intervals in manual include inspection, testing of electrical circuits		
	• Damaged or poorly maintained electrical leads & cables?	<input type="checkbox"/>	N	No signs of damage at delivery	Daily inspection to include checks for damage	
	• Damaged electrical switches?	<input type="checkbox"/>	N	No signs of damage at delivery	Daily inspection to include checks for damage	
	• Water near electrical equipment?	<input type="checkbox"/>	N			
	• Lack of isolation procedures?	<input type="checkbox"/>	N			
	• Other factors not mentioned?	<input type="checkbox"/>	N			
	High/Low Temperature or Fire -					
	Can anyone come into contact with moving parts or other objects at high temperatures?	<input type="checkbox"/>	N			
	Can anyone be injured by fire?	Y		Emergency lowering devices provided in case of fire	JSA, Training and Supervision to be provided by site mgt	
	Can anyone suffer ill-health due to exposure to high or low temperatures?	<input type="checkbox"/>	N			

	<p>High Pressure Fluid – Can anyone come into contact with fluids under high pressure, due to plant failure or misuse of the plant?</p>	Y		<p>Hydraulic circuit enclosed behind covers Pipe clamps fitted Relief valve fitted Warning decal fitted Precautions for repair on high pressure fluids is provided in manual</p>		
	<p>Explosion – Can anyone be injured by explosion of gases, vapours, liquids, dusts, etc., triggered by the operation of the plant or by material handled by the plant?</p>	Y		Warning decal on battery		
	<p>Other Hazards – Can anyone be injured or suffer ill-health from exposure to</p>					
	<ul style="list-style-type: none"> • Chemicals? 	<input type="checkbox"/>	N			
	<ul style="list-style-type: none"> • Toxic gases or vapours? 	<input type="checkbox"/>	N			
	<ul style="list-style-type: none"> • Fumes? 	Y		Warning provided in manual regarding charging of battery		
	<ul style="list-style-type: none"> • Dust? 	<input type="checkbox"/>	N			
	<ul style="list-style-type: none"> • Noise? 		N	Unit meets EU noise standards		
	<ul style="list-style-type: none"> • Vibration? 	<input type="checkbox"/>	N	Unit meets EU vibration standards		
	<ul style="list-style-type: none"> • Radiation? 	<input type="checkbox"/>	N			
	<ul style="list-style-type: none"> • Other factors not mentioned? 	<input type="checkbox"/>	N			

	Ergonomics – Can anyone be injured due to:					
	Poorly designed seating?	Y		No seat required or provided		
	Repetitive body movement?	<input type="checkbox"/>	N	Control Box is easy-reach		
	Constrained body posture or the need for excessive effort?	<input type="checkbox"/>	N	Electronic controls		
	Design deficiency causing mental or psychological stress?	<input type="checkbox"/>	N			
	Inadequate or poorly placed lighting?	<input type="checkbox"/>	N			
	Lack of consideration given to human error or human behaviour?	<input type="checkbox"/>	N			
	Mismatch of the plant with human traits and natural limitations?	<input type="checkbox"/>	N			

	Other Plant Specific Hazards not covered above:					
	Confusion regarding operation indoor vs outdoor	Y		Instruction provided in manual Indoor and outdoor specifications provided	JSA, Training and Supervision to be provided by site mgt Machine to be operated within maximum ratings for indoor and outdoor use	
	Incorrect function or stability due to excessive deflection as a result of wear	Y		Wear limits provided in workshop manual	Periodic and Annual inspections to be conducted.	
	Damage to safety devices (limit switches, positional switches, LSS) which regulate the range and speeds of movement	Y		Devices located clear from moving parts and behind covers/guards where possible	Conduct inspections as scheduled in operator manual to verify correct functioning of machine Ensure safety devices are undamaged and working correctly	

Risk Assessment carried-out by:

Name: ANDREW DELAHUNT

Role: HAULOTTE PRODUCT MANAGER

Date: June 2013

Project/Plant Managers Review:

Name:

Role:

Signed:

Date: