

TYPE	Rollers, Smooth Drum Self Propelled
MAKE	XCMG
MODEL	XS83
ASSET NUMBER	
SERIAL NUMBER	

Report Number	FL 20250922-1109
Date	22-Sep-2025
Created By	Seona Mckay
Assessor	Seona Mckay
Assist. Assessor(s)	
Completed By	Seona Mckay
Owner	Flexihire Pty Ltd
Assessment Purpose	Hire
State	QLD

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<b>SECTION 3</b>	<b>RISK ANALYSIS, RISK EVALUATION &amp; RISK TREATMENT</b> Contains details of the technique used to calculate risk ratings, time frame and risk treatments. Please refer to this information when reviewing and interpreting the information in section 4 & 5
<b>SECTION 4</b>	<b>RISK TREATMENTS REQUIRED</b> Contains detailed information regarding the risk treatments to be implemented including hazard, risk rating, time frame, relevant standards & legislative references
<b>SECTION 5</b>	<b>RISK TREATMENTS IN PLACE</b> Contains detailed information regarding the risk treatments in place including hazard, risk rating, relevant standards & legislative references
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## SECTION 1 IMPORTANT INFORMATION

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This report pertains to this item of plant as it appeared on the day of inspection.

It is the responsibility of the hirer to conform with the instructions and information contained within this report. Any change in condition of this item of plant should be reported to the hire company immediately.

Any information relating to the standard features have been supplied via the manufacturer and should be used as a guide only until verified.

For further information regarding this report contact Online Safety Systems on 1300 72 88 52

## SECTION 2 MACHINE DETAILS

MACHINE DETAILS	- NOISE TEST RESULTS		
		1. Manufacturers specified noise level dBA	
		2. Ambient noise level dBA	
		3. Noise level - Operator position (high idle) dBA	
		4. Noise level - Operator position (low idle) dBA	
		5. Noise level LHS dBA @ m (high idle)	
		6. Noise level Front dBA @ m (high idle)	
		7. Noise level RHS dBA @ m (high idle)	
	8. Noise level Rear dBA @ m (high idle)		
BODY TYPE		Articulation, either side (deg)	
BRAKES		Service Braking System	
CAPACITIES		Fuel Tank Capacity (Litres)	
DIMENSIONS/WEIGHTS		Ground clearance (mm)	270
		Height (mm)	3040
		Length (mm)	5355
		Operating weight (kg)	8000
		Static weight on drum (kg)	221
		Turning circle diameter (mm)	4000
		Wheelbase (mm)	2680
		Width (mm)	1860
DRIVES		Drum drive	
DRUMS		Drum width (mm)	1680
		Static drum mass/lineal cm (kg)	
ENGINE		Engine Displacement (Litres)	
		Engine Hours	
		Engine Make & Model	Cummins QSF3.8
		Engine Number	
		Net power, SAE rated (kW@rpm)	74@2200
		Number of Cylinders	
PLANT CLASSIFICATIONS		Class	
		Year	
TRANSMISSION		Transmission Type	
TYRES		Tyre Size	405/70-24-16PR EMR1
WORK CAPABILITIES		Centrifugal force, high/low amplitude (kN)	125/85
		Gradeability w/o vibration (%)	50
		Nominal amplitude, high+low (mm)	1.8/0.9
		Vibratory frequency, max+min (Hz)	30/35
EXTRAS		Air Conditioning	

## SECTION 3 RISK ANALYSIS / RISK EVALUATION

LIKELIHOOD		CONSEQUENCE				
		1. INSIGNIFICANT Dealt with by in house first aid	2. MINOR Treated by medical professionals, hospital out patients	3. MODERATE Significant non permanent injury overnight hospital stay	4. MAJOR Extensive permanent injury eg. Loss of fingers, extended hospital stay	5. CATASTROPHIC Death, permanent disabling injury eg. Loss of hand, quadriplegia
A. Almost certain to occur in most circumstances		MEDIUM 8	HIGH 16	HIGH 18	CRITICAL 23	CRITICAL 25
B. Likely to occur frequently		MEDIUM 7	MEDIUM 10	HIGH 17	HIGH 20	CRITICAL 24
C. Possibly and likely to occur at sometime		LOW 3	MEDIUM 9	MEDIUM 12	HIGH 19	HIGH 22
D. Unlikely to occur but could happen		LOW 2	LOW 5	MEDIUM 11	MEDIUM 14	HIGH 21
E. May occur but only in rare circumstances		LOW 1	LOW 4	LOW 6	MEDIUM 13	MEDIUM 15

RISK EVALUATION	CRITICAL	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below.
	HIGH	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below. If the appropriate risk treatments are not immediately accessible establish interim risk treatment strategies. Permanent risk treatments must be implemented within one week.
	MEDIUM	Take reasonable steps to mitigate and monitor the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented within one month.
	LOW	Take reasonable steps to mitigate and monitor the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented within three months.

RISK TREATMENT	Selecting the most appropriate risk treatment option involves balancing the costs and efforts of implementation against the benefits derived, with regard to legal, regulatory and other requirements. (source AS/NZS ISO 31000:2018)	
	Eliminate	Eliminate the risk source.
	Substitute	Provide an alternative that is capable of performing the same task which is safer.
	Isolate	Isolate people from the hazard.
	Engineering	Provide or construct a physical barrier or guard.
	Administration	Develop policies, procedures, practices and guidelines in consultation with employees to mitigate the risk. Provide training, instruction and supervision about the risk source.
	Personal protective	Provide personal protective equipment to protect the individual from the risk source.













## SECTION 4 RISK TREATMENTS REQUIRED

This section of the report pertains to hazards created by use of this item of plant which currently do not have risk treatments in place. The risk treatments recommended in this section have been developed based on relevant Australian Standards, health & safety legislation, the hierarchy of risk treatment in accordance with the guidelines set forth in AS/NZS ISO 31000 – Risk Management and various other sources. The recommended risk treatment measures must be developed, implemented and validated as effective prior to the operation, maintenance or testing of this item of plant. Treatments applied must be dated and initialled adjacent the recommendations. All operators must read and understand the entire contents of this section prior to operating this item of plant.





















HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating	Due Date	References	Risk Treatments Required
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



## SECTION 5 RISK TREATMENTS IN PLACE

This section of the report pertains to risk treatments currently in place on this item of plant. This section must be read in conjunction with the safety section of the manufacturers handbook. All operators must read and understand the entire contents of this section prior to operating this item of plant. These treatments or equivalent must remain in place at all times whilst this item of plant is in operation.

	HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating	References	Risk Treatments in Place
DELIVERY	 CRUSHING	HIGH 22	MEDIUM 15	Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations	<b>SWMS Loading/Unloading</b> Loading and unloading guidelines available.
	 CRUSHING	HIGH 22	MEDIUM 15	Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations	<b>SWMS Load Restraint</b> Transport and restraining guidelines available.
OPERATION	 COLLISION	HIGH 22	MEDIUM 15	AS1319- , ISO31000	<b>Phone Use label</b> Phone use instruction label fitted.
	 COLLISION	MEDIUM 9	LOW 5	ISO31000	<b>Recovery Point Label</b> Hazard warning label fitted adjacent recovery tow point.
	 CRUSHING, COLLISION	MEDIUM 12	LOW 6	ISO7731, ISO9533	<b>Warning Device (horn)</b> Warning device (horn) fitted.
	 CRUSHING, FALLING	HIGH 22	MEDIUM 15	AS1319-	<b>Passenger Seat Label</b> No passengers hazard warning label fitted.
	 CRUSHING	HIGH 22	MEDIUM 15	ISO3471	<b>ROPS Label</b> "Do not cut, weld or drill" label fitted to ROPS.
	 CRUSHING	HIGH 22	MEDIUM 15	AS2294, ISO3471	<b>ROPS seat belt label</b> ROPS fitted seatbelts must be worn label present and legible.
	 CRUSHING, ENTANGLEMENT, FIRE	HIGH 22	MEDIUM 15	AS20474.1	<b>External Emergency Stop/Shutdown Device</b> External emergency stop/shutdown device fitted.
	 CRUSHING	HIGH 21	MEDIUM 15	AS/NZS4024.1201, ISO20474-	<b>Articulated Joint Crush Label</b> Articulated crush zone hazard warning label fitted.
	 CRUSHING, STRIKING, COLLISION	HIGH 19	MEDIUM 14	ISO20474-	<b>Tail Swing Label</b> Keep Clear hazard warning label fitted to rear of machine.
	 ENTANGLEMENT, SHEARING, BURNS	MEDIUM 14	MEDIUM 13	AS/NZS4024.1201, AS1319-	<b>Engine Guard Label</b> Rotating, hot and entanglement hazard warning label fitted to engine guard.

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating	References	Risk Treatments in Place	
 FIRE	HIGH 21	MEDIUM 15	AS10896.1, AS1851	<b>Fire Extinguisher</b> Approved & maintained fire extinguisher fitted.	
 HEARING LOSS	HIGH 19	MEDIUM 14	AS3781- , AS/NZS1269	<b>Hearing Protection Label - Bystanders</b> Bystander hearing hazard warning labels fitted.	
 HEARING LOSS	HIGH 19	MEDIUM 14	AS3781- , AS/NZS1269	<b>Hearing Protection Label - Operator</b> Hearing protection hazard warning labels fitted to operator work area.	
 INCORRECT OPERATION	HIGH 22	MEDIUM 15	Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations	<b>Operation Handbook</b> The manufacturer's operation handbook has been supplied for this item of plant.	
 INCORRECT OPERATION	HIGH 22	MEDIUM 15	Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations	<b>Pre-op Checklist Roller Smooth Drum Self Propelled</b> Pre-op checklist available.	
 INCORRECT OPERATION	HIGH 22	MEDIUM 15	Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations	<b>SOP Roller, Smooth Drum Self Propelled</b> Safe Operation Procedures available.	
 INCORRECT OPERATION	CRITICAL 24	MEDIUM 15	Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations	<b>Operator Competency</b> All operators competent.	
 INCORRECT OPERATION	HIGH 22	MEDIUM 15	AS/NZS4024.1905	<b>Control Labels</b> All controls labelled appropriately.	
 INCORRECT OPERATION, NON COMPLIANCE	HIGH 22	MEDIUM 15	ISO20474-13	<b>Emergency Stop Labelling</b> All emergency stops clearly labelled.	
 POISONING, EXPLOSION, BURNS	HIGH 22	MEDIUM 15	Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations	<b>Tank ID Label</b> All tanks labelled appropriately.	
 POOR VISIBILITY, COLLISION	HIGH 22	MEDIUM 15	AS/NZS4024.1201, ISO31000	<b>Rear Camera</b> Rear camera fitted.	
<b>DESIGN COMPLIANCE</b>	 COLLISION	HIGH 22	MEDIUM 15	ISO20474-	<b>Beacon</b> Amber safety beacon fitted.
	 CRUSHING, COLLISION	HIGH 22	MEDIUM 15	ISO31000	<b>Loose Items - Operator Work Area</b> All items are securely restrained.
	 CRUSHING, ENTANGLEMENT, STRIKING, COLLISION	HIGH 22	MEDIUM 15	AS4024.1603	<b>Neutral Start</b> Neutral start control fitted.
	 CRUSHING	HIGH 22	MEDIUM 15	ISO6683	<b>Seat Belt</b> Operator seat belt fitted.
	 CRUSHING, COLLISION	CRITICAL 24	MEDIUM 15	AS3450	<b>Park Brake</b> Fully functional park brake fitted.
	 CRUSHING	HIGH 22	MEDIUM 15	AS2294, ISO3471	<b>Earthmoving ROPS</b> Compliant damage free ROPS fitted.
	 CRUSHING, COLLISION	HIGH 22	MEDIUM 15	ISO7731, ISO9533	<b>Reverse Movement Alarm</b> Automatic reverse movement awareness alarm fitted.
	 CRUSHING	HIGH 22	MEDIUM 15	AS/NZS4024.1201, AS1319-	<b>Articulated Joint Locking Device</b> Articulated joint locking device and instruction label fitted.

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating	References	Risk Treatments in Place
 BATTERY COVER ELECTRIC SHOCK, BURNS	MEDIUM 12	LOW 6	AS/NZS4024.1201	<b>Battery Cover</b> Battery constrained and cover fitted and damage free.
 ENTANGLEMENT, CUTTING, SHEARING	HIGH 22	MEDIUM 15	ISO20474-13	<b>Emergency Stop Device</b> Emergency stop fitted.
 ENTANGLEMENT	HIGH 22	MEDIUM 15	AS/NZS4024.1601	<b>Engine Guards</b> Engine guards fitted.
 ENTRAPMENT	HIGH 21	MEDIUM 15	AS5327	<b>Two Operator Exits</b> Operator cabin has two accessible exits.
 ENTRAPMENT	HIGH 21	MEDIUM 15	ISO31000	<b>Emergency Exits</b> Emergency exits labelled and functional.
 FALLING, SLIPPING	MEDIUM 12	LOW 6	ISO31000	<b>Access/Egress Instruction Label</b> Safe access/egress instruction label present.
 FALLING, SLIPPING, TRIPPING	MEDIUM 12	LOW 6	AS5327	<b>Engine Bay Access</b> Safe access/egress for all operators to engine bay present.
 FALLING	HIGH 22	MEDIUM 15	AS5327	<b>Handrails</b> All operator work platforms over 0.5 m have three points of contact or guardrails and above 2.0 m approved guardrails.
 FIRE, BURNS	MEDIUM 12	LOW 6	AS/NZS4024.1201	<b>Exhaust</b> Exhaust located away from persons/guards fitted.
 HEAT STROKE, DEHYDRATION	MEDIUM 9	LOW 4	ISO31000	<b>Air Conditioning</b> Functional air conditioner fitted to operator cabin.
 NOMINATED OPERATOR ONLY INCORRECT OPERATION, OPERATIONAL MALFUNCTION	MEDIUM 14	MEDIUM 13	AS/NZS4024.1201, AS20474.1	<b>Restricted Access Switches</b> Restricted operator access system fitted.
 INCORRECT OPERATION	HIGH 20	MEDIUM 14	AS/NZS4024.1906	<b>Intuitive Controls</b> Controls orientated so that movement of control results in similar movement of machine.
 INCORRECT OPERATION, SLIPPING	HIGH 17	LOW 6	AS/NZS4024.1901	<b>Control Levers/Pedals/Buttons</b> All controls non-slip and free from damage.
 INCORRECT OPERATION, SLIPPING	MEDIUM 9	LOW 4	AS/NZS4024.1201, ISO20474-	<b>Work Area Floors</b> Operator floor non-slip and free from damage & debris.
 NON COMPLIANCE, STRAINS	MEDIUM 9	LOW 1	AS/NZS4024.1401, ISO20474-	<b>Operator Seat</b> Ergonomic damage free seat fitted.
 NON COMPLIANCE	HIGH 22	MEDIUM 15	AS20474.1	<b>Battery Isolator</b> Functional battery isolator fitted.
 OPERATIONAL MALFUNCTION	HIGH 22	LOW 2	ISO31000	<b>Plant Modification</b> Plant is in original condition.
 POOR VISIBILITY, COLLISION	HIGH 21	MEDIUM 15	AS/NZS4024.1201	<b>Windscreen Wipers</b> Functional windscreen wipers & washers fitted.
 POOR VISIBILITY, COLLISION	HIGH 22	MEDIUM 15	AS/NZS4024.1201, ISO14401.1	<b>Operator Mirrors</b> Operator rear view mirrors fitted.
 POOR VISIBILITY, COLLISION	HIGH 22	MEDIUM 15	ISO20474-	<b>Machine Lights</b> Self contained operational lighting fitted.

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating	References	Risk Treatments in Place	
 SLIPPING	MEDIUM 12	LOW 6	AS5327	<b>Operator Work Area Access/Egress</b> Safe access/egress for all operator areas present.	
 STRAINS	HIGH 19	LOW 5	AS/NZS4024.1901	<b>Controls Ergonomics</b> All controls including all levers, buttons, pedals, switches etc. ergonomically placed.	
 STRIKING, BURNS	HIGH 22	MEDIUM 15	AS4024, AS2671	<b>Hydraulic Hoses</b> Hydraulic hoses fitted and must be inspected before each use for wear and tear.	
 STRIKING, BURNS	HIGH 22	MEDIUM 15	AS4024, ISO4413, AS2671	<b>Hydraulic Hose Failure Shield</b> Shield(s) fitted to protect against the consequence of hydraulic hose or component failure.	
<b>MAINTENANCE</b>	 CRUSHING, COLLISION	CRITICAL 25	MEDIUM 15	AS3450	<b>Brakes</b> Service brakes fully functional.
	 CRUSHING	HIGH 22	MEDIUM 15	AS2294, ISO3471	<b>ROPS Damage</b> ROPS damage free.
	 CURRENT OR PREVIOUS STRUCTURAL DAMAGE	CRITICAL 25	MEDIUM 15	ISO31000	<b>Structural Integrity</b> Machine is structurally sound.
	 INCORRECT OPERATION	HIGH 22	MEDIUM 15	Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations	<b>Maintenance Manual</b> The manufacturer's maintenance manual(s) has been supplied for this item of plant.
	 INSTABILITY, COLLISION	HIGH 22	MEDIUM 15	ISO31000	<b>Tyres</b> All tyres and wheel components functional.
	 NON COMPLIANCE	MEDIUM 14	LOW 6	AS20474.1	<b>Engine/Motor Compartment</b> Engine/motor compartment fully enclosed and lockable to prevent unauthorised access.
	 OPERATIONAL MALFUNCTION	HIGH 21	MEDIUM 15	Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations	<b>Service Records</b> Service and maintenance records are available for this item of plant.
	 OPERATIONAL MALFUNCTION	HIGH 22	LOW 2	ISO31000	<b>Major Fluid Leaks</b> Machine free from major fluid leaks.
	 POOR VISIBILITY, COLLISION	HIGH 21	MEDIUM 15	AS/NZS4024.1201, ISO20474-	<b>Windows &amp; Screens</b>
	 STRIKING, BURNS	HIGH 22	MEDIUM 15	AS4024, ISO4413, AS2671	<b>Hydraulic Damage</b> All hydraulic hoses free from damage and are protected from damage where required.

**SECTION 6 IMAGES AND NOTES**

**IMAGES**

- No Images Available -

**NOTES**

- No Notes Available -

