



# Truck Hazard and Risk Assessment

## OWNER/INSPECTION DETAILS

Inspection #5170

<b>Date</b>	07/09/2023
<b>Provided for</b>	XPower
<b>Vehicle Make &amp; Model</b>	2019 Volvo FM Hydrovac Truck (Hydro4)
<b>Registration No.s</b>	XV01MO
<b>Odometer Reading</b>	50301
<b>Inspection Done at</b>	Melbourne

**Assessment Conducted By**  
**Steersafe Training and Assessment ABN 84 137 032 681**  
**Scott Haynes**  
**Certificate IV Training & Assessment TAA40104**  
**Certificate No 1678**  
**Phone: 0418 536 870**

# CONTENTS

OWNER DETAILS	1
ACKNOWLEDGMENT AND AGREEMENT	3
TRUCK HAZARD & RISK ASSESSMENT	4
NOISE ASSESSMENT	10
DISCLAIMER	11

# AGREEMENT

THIS AGREEMENT is made on 7th day of September, 2023

and is made between:

SCOTT HAYNES of Steersafe Training and Assessment, and

Stan Miriklis of XPower

The owner/operator agrees to engage Scott Haynes to perform Risk Assessment on the basis of agreement to the following disclaimer.

## DISCLAIMER

"*Mobile Plant*" means the mobile plant, vehicle or equipment described in the assessment and inspected by the assessor.

This assessment is based upon information provided to the assessor up until the date of the assessment. If any modification, alteration or addition is made to the mobile plant following that date, this assessment is null and void and cannot be relied upon for any purpose. In particular, this assessment will then provide no assurance that the mobile plant complies with the *Occupational Health and Safety Regulations 2017* or any regulation amending or replacing those regulations. The owner and operator of the mobile plant must conduct regular inspections and maintain the mobile plant at regular intervals. If any alteration or addition is made to the mobile plant, such alterations or additions must be recorded in writing and retained by the owner and operator. The mobile plant will then need to be re-assessed.

At all times it is the responsibility of the owner and operator of the mobile plant to maintain the mobile plant according to the *Occupational Health and Safety Regulations 2017* and all other applicable legislation and regulations. The assessor is not and shall not be liable for the mobile plant complying with the *Occupational Health and Safety Regulations 2017* or any regulation amending or replacing those regulations. This assessment does not pass any responsibility for such compliance to the assessor, and does not in any way exempt the owner and operator from the continuing responsibility for such compliance. The owner and operator agree to indemnify the assessor against all liability of whatever kind in relation to the mobile plant assessed.

This assessment will be conducted by a qualified workplace assessor. This assessment will not be conducted by a qualified mechanic nor a roadworthy assessor, and no responsibility is assumed by the assessor for any mechanical malfunction of the mobile plant nor lack of roadworthiness.

This assessment identifies risks in relation to the mobile plant only, and does not assess risks in relation to the site where the mobile plant is to be used. A job safety and environmental analysis is required to identify such site risks and should be reviewed by the owner and operator prior to commencement of work on site.

## ACKNOWLEDGEMENT AND AGREEMENT

I confirm that I have read and understood the disclaimer and notes set out about and agree with all terms

**Name:** Stan Miriklis

**Signed:**

**Company/Organization:** XPower

**Date:** 07/09/2023

# TRUCK HAZARD AND RISK ASSESSMENT

Hazard	Risk	Control	Control in place	Action Required
<b>1. CRUSHING</b> Can anyone be crushed by:				
(a) material falling off the vehicle	<b>H I G H</b>	Tailgate seal and lock	✓	None
(b) uncontrolled or unexpected movement of the vehicle or it's load		Vehicle structurally sound, including subframe, chassis and turntable	✓	None
		Reverse alarm fitted	✓	None
		Horn fitted	✓	None
		Decals fitted	✓	None
		Flashing beacon	✓	None
		Non slip pedals	✓	None
		Mirrors fitted	✓	None
(c) difficulty in slowing, stopping or immobilising the vehicle		Parking brake operational	✓	None
		Service brake operational*	✓	None
		Regular maintenance of vehicle as recorded	✓	None
(d) the vehicle tipping or rolling over		Vehicle structurally sound, including subframe, chassis and turntable	✓	None
(e) being thrown off or under the vehicle		Doors fitted	✓	None
		Seat belt fitted	✓	None
	Cabin fully enclosed	✓	None	
(f) being trapped between the vehicle, materials or a fixed structure.	<b>H I G H</b>	Reverse alarm fitted	✓	None
		Horn fitted	✓	None
		Decals fitted	✓	None
		Flashing beacon	✓	None
		Non slip pedals	✓	None
		Mirrors fitted	✓	None
g)any other factors not mentioned			✓	None

\*Brakes are checked for function, and not for brake adjustment or brake wear. This is solely the responsibility of the owner/operator.

Hazard	Risk	Control	Control in place	Action Required
<b>2. SHEARING</b> Can anyone's body parts be cut off or sheared:				
(a) between two parts of the truck	<b>H I G H</b>	Under body prop fitted	✓	None
(b) between two parts of the truck		Reverse alarm fitted	✓	None
		Horn fitted	✓	None
(c) any other factors not mentioned			✓	None
<b>3. STRIKING</b> Can anyone be struck by moving objects due to:				
a) uncontrolled or unexpected movement of the truck or material	<b>M E D I U M</b>	Reverse alarm fitted	✓	None
		Reversing warning decal fitted	✓	None
		Flashing beacon	✓	None
		Horn fitted	✓	None
		Brake lights and indicators	✓	None
b) the truck, or parts of the truck disintegrating		Regular maintenance of vehicle as recorded	✓	None
		Decals fitted	✓	None
		Vehicle structurally sound, including subframe, chassis and turntable	✓	None
		Guards fitted as required	✓	None
c) the mobility of the truck		Reverse alarm fitted	✓	None
		Decals fitted	✓	None
		Flashing beacon	✓	None
d) any other factors not mentioned			✓	None

Hazard	Risk	Control	Control in place	Action Required
<b>4. ENTANGLEMENT</b> Can anyone be injured by:				
a) hair, clothing or any other item's they are wearing or attached to them, become entangled in the moving parts of the truck or materials on the truck?	M E D I U M	Guards fitted as required	✓	None
		Warning decals for moving parts	✓	None
b) any other factors not mentioned			✓	None
<b>5. CUTTING, STABBING &amp; PUNCTURING</b> Can anyone be injured by:				
a) contact with sharp or moving parts on the truck	M E D I U M	Guards fitted as required	✓	None
b) the truck, or parts of the truck disintegrating		Regular maintenance of vehicle as recorded	✓	None
		Vehicle structurally sound, including subframe, chassis and turntable	✓	None
c) uncontrolled or unexpected movement of the truck or material		Reverse alarm fitted	✓	None
		Reversing warning decal fitted	✓	None
		Flashing beacon	✓	None
		Horn fitted	✓	None
		Brake lights and indicators	✓	None
d) any other factors not mentioned		✓	None	

Hazard	Risk	Control	Control in place	Action Required
<b>6. TRIPPING, SLIPPING OR FALLING</b> Can anyone using or in the vicinity of the truck, trip, slip, or fall due to				
a) slippery or uneven work surfaces	<b>M E D I U M</b>	Non slip steps and work area	✓	None
b) inadequate steps and handrail to enter and exit vehicle		Non slip steps and handrail to ensure 3 points of contact to enter and exit vehicle	✓	None
c) inadequate stairs, steps or ladders to enter and exit bodies		Non slip steps and handrail to ensure 3 points of contact to enter and exit vehicle	✓	None
d) obstacles in the vicinity of the truck. E.g.: oil spill		No visible signs of fluids leaking from vehicle	✓	None
		Tailgates sealed to prevent material spillage	✓	None
d)any other factors not mentioned			✓	None
<b>7. ERGONOMIC</b> Can anyone be injured by:				
a) badly designed or damaged seating	<b>M E D I U M</b>	Driving seat in good condition	✓	None
b) inhibited body posture or the need for excessive effort		Adjustable seat position	✓	None
		Adjustable driving controls	✓	None
c) inadequate lighting		Adequate lights in and outside of cabin	✓	None
d) unsafe entry and exit points		Non slip steps and handrail to ensure 3 points of contact to enter and exit vehicle	✓	None
e)any other factors not mentioned			✓	None

Hazard	Risk	Control	Control in place	Action Required
<b>8. ELECTRICAL</b> Can anyone be injured or burnt from electrical shock by:				
a) exposed and damaged battery or leads	<b>M E D I U M</b>	Guards around battery or wiring	✓	None
		Regular maintenance of vehicle as recorded	✓	None
		Decals fitted	✓	None
b) the truck contacting live electrical conductors		JSAs on site and spotters when tipping	✓	None
		Decals fitted	✓	None
c) damaged electrical wiring, switches or cables		Regular maintenance of vehicle as recorded	✓	None
d) any other factors not mentioned			✓	None
<b>9. BURNS</b> Can anyone be burnt by:				
a) contact with exhaust	<b>M E D I U M</b>	Guards around exhaust	✓	None
		Decals fitted	✓	None
		Exhaust mounted away from easy access	✓	None
b) fire in the truck		Regular maintenance of vehicle as recorded	✓	None
		Fire extinguisher supplied in truck	✓	None
c) any other factors not mentioned			✓	None
<b>10. HIGH PRESSURE AND EXPLOSION</b> Can anyone be injured by:				
a) high pressure fluid	<b>M E D I U M</b>	Regular maintenance of hydraulic hoses and couplings as recorded	✓	None
b) explosions caused by gas, vapours, liquids or other substances		All seals and tanks in good working order	✓	None
c) any other factors not mentioned			✓	None



Hazard	Risk	Control	Control in place	Action Required
<b>11. SUFFOCATION/ASPHYXIATION</b> Can anyone suffer or become ill from:				
a) lack of oxygen within the truck cabin	<b>M E D I U M</b>	adequate ventilation (windows)	✓	None
		Air conditioning	✓	None
b) fumes, toxic gases or vapours within the truck cabin		Exhaust in good operating condition	✓	None
		Door and window seals in good condition	✓	None
c) dust within the truck cabin		Door and window seals in good condition	✓	None
d) overheating within the truck cabin		adequate ventilation (windows)	✓	None
e) any other factors not mentioned			✓	None
<b>12. OTHER HAZARDS</b> Can anyone be injured or become ill from:				
a) excessive noise	<b>M E D I U M</b>	Hearing protection supplied N.B. See noise level test for more detail	✓	None
b) vibration		Excessive Vibration	✓	None
c) excessive temperatures in cabin		Heater and air conditioner	✓	None
		Adequate ventilation and sealing doors and windows	✓	None
e) any other factors not mentioned				✓
<b>13. DOCUMENTATION</b> Has information been provided on the following:				
a) daily pre start inspection check list	<b>M E D I U M</b>	Pre start filled out each day	✓	
b) Service and maintenance records		Service history	✓	None
c) truck operation manual		Truck Manual	✓	
d) suitable licence for operation of the truck		Valid Licence Provided	✓	None

# NOISE ASSESSMENT

The noise level reading shall be taken at exhaust level, and within 1050mm of the exhaust emission. The reading will be taken at idle and at “Engine Speed at Maximum Power”. This procedure is in accordance with the Environment Protection (Vehicle Emissions) Regulations 2003.

A further reading shall then be taken from the cabin of the truck.

The sound meter used for this assessment is a Digitech QM-1589, Serial No 10060748 in accordance with the Environment Protection (Vehicle Emissions) Regulations 2003.

<b>Truck Details</b>	2019 Volvo FM Hydrovac Truck (Hydro4)
<b>Registration No.s</b>	XV01MO
<b>Background Noise</b>	<b>dBA: 47.9</b>
<b>Noise in Cabin at Idle</b>	<b>dBA: 63.9</b>
<b>Noise in Cabin at Maximum Power</b>	<b>dBA: 68.6</b>
<b>Noise at Idle</b>	<b>dBA: 77.6</b>
<b>Noise at Maximum Power</b>	<b>dBA: 82.4</b>

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## ACKNOWLEDGMENT AND ACCEPTANCE

I confirm that I have read and understood the disclaimer and notes set out above and agree with all terms.

I also acknowledge I have received the completed Risk Assessment for the aforementioned Mobile Plant

**Name:** Stan Miriklis **Company/Organisation:** XPower

**Signed:** **Date:** 07/09/2023