

Incident Date	
Incident Location	
Investigated by	

Forklift and Industrial Truck Incident Investigation Document

Issue 2.3

Issue	Date	Changes
2.0	28/03/2020	Major Revision, reformat and content changes
2.1	30/03/2020	Minor grammar changes ii Guidelines for conducting and Inspection or Investigation 4.1 and 4.2: Added Truck Min/Max Battery Weight, Mast/Pantograph and Variable Capacity rows 7.1: added Dead man switch to 'other functions' Appendix A: Included "Is incident notifiable to Authorities?"
2.2	06/04/2020	4.1.5 Truck 1 Photos – Changed Load Chart(s) to Capacity Plate(s)
2.3	17/07/2020	4.1 and 4.2: Amended 'Required Pressure' to 'Measured tyre Pressures' with Left and Right categories

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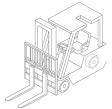


Scope of Document

This document provides general guidance for investigating forklift and industrial truck related incidents and templates that you may wish to use when investigating incidents involving the following types of industrial trucks as outlined in AS2359.1: 2019 and ISO5053-1:2015.



Type, Stand-Up



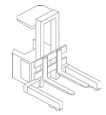
Electric Counterbalanced Rider Electric Three Wheel Trucks, Electric Counterbalanced Rider, Sit-Down



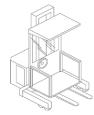
Cushion Tyre, Sit-Down



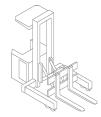
Electric Counterbalanced Rider, Pneumatic or either Type Tyre, Sit Down



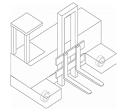
Electric Narrow Aisle High Lift Straddle



Electric Narrow Aisle Order Picker



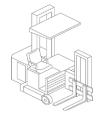
Electric Narrow Aisle Reach Type Outrigger



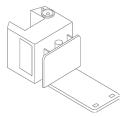
Electric Narrow Aisle Side loaders: Platforms



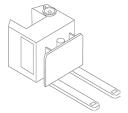
Electric Narrow Aisle Side loaders: High Lift Pallet



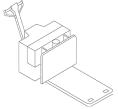
Electric Narrow Aisle Turret Trucks



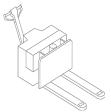
Electric Narrow Aisle Low Lift Platform



Electric Narrow Aisle Low Lift Pallet



Electric Hand Low Lift Platform



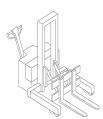
Electric Hand Low Lift Walkie Pallet



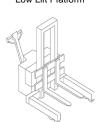
Electric Hand Rider



Electric Hand Trucks Low Lift Walkie/Centre Control



Electric Hand Trucks Reach Type Outrigger



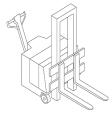
Electric Hand Trucks High Lift Straddle



Electric Hand Trucks Single Face Pallet



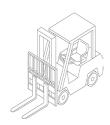
Electric Hand Trucks High Lift Platform



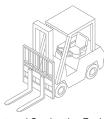
Electric Hand Trucks High Lift Counterbalanced



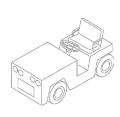
Electric Hand Trucks Low Lift Walkie/Rider Pallet and End Control



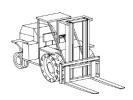
Internal Combustion Engine Fork, Counterbalanced, Cushion Tyre



Internal Combustion Engine Fork, Counterbalanced, Pneumatic Tyre



Electric and Internal Combustion Engine Tractors Sit Down Rider











Reach Stacker Container Handler

Mast Mounted Container Handler



ii. Guidelines for conducting an inspection or investigation:

Notification to the Authorities

If the incident is a notifiable incident, then the incident must be notified to the police or the relevant regulatory agency (the Authorities) as soon as possible.

When there has been an incident, scene preservation is critical to ensuring crucial evidence is not lost, masked or tampered with. Some trucks may provide diagnostic capability, such as "last movement" recording, so do not operate the truck unless absolutely necessary to ensure the safety of the incident site or the safety of the people present at the incident site. If the incident is notifiable to the Authorities, it is a legislative requirement to ensure that the incident site is preserved and is not disturbed until an inspector arrives at the site and directs that it is safe to re-open. Penalties may occur if the scene is not preserved.

Where a truck has been recovered and removed from the incident scene, either to another location at the same site, or to a location away from the site, security of a truck should still be paramount. The truck in whole, or in part, may be used as evidence in any future legal proceedings.

When a truck involved in an incident is being examined/inspected after it has been recovered and removed from the incident scene, security of the truck must be carefully observed and recorded.

Where the incident is notified to an Authority, the incident site can only be re-opened when it is released by the relevant Authority. Where the incident is not notifiable, the scene of the incident should be returned into operation when it is safe to do so and after the relevant data has been collected.

Before conducting an Incident Investigation

- Be aware of other groups also conducting investigations such as the Authorities or the Manufacturer.
- Assist where needed and do not hinder the investigation being conducted by Authorities.

During the Investigation

- Do not enter areas isolated by Authorities without permission.
- Do not try to operate the truck or disturb the incident site until all observations are complete, permission has been granted by the relevant Authority and it is safe to do so.
- Provide fact-based observations only; no opinions, theories or commentary.
- Take as many photos of the scene as possible to assist with further investigation away from site. Use date stamp on image where possible.
- If you decide to interview witnesses or other people relevant to the incident, please ensure that any witness or person you interview is given the opportunity to have a support person present.

After the Investigation

- Do not share sensitive or confidential information without permission.
- Do not provide theories or draw conclusions until all aspects of the incident have been considered.
- Store investigation document(s) and images in a safe place for future reference. Note: the ownership of this document belongs to the writer and/or the person organising the investigation/inspection. Sharing the document is at the discretion of the owner of the document.

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SECTION 1: Deta	ails	of Person Co	npleting Incide	nt In	vesi	iga	tion		
1.1 Type of Represe			inprotting into tao.		700	Ju			
Site Safety Re	pres	sentative			Eme	rger	ncy Service R	epresentati	ve
☐ Health a	and	Safety Representa	ive			Pol	lice		
□ Safety 0	Com	mittee				Fire	е		
☐ Mines □)ера	rtment				Am	bulance		
□ Other						Oth	ner:		
Owner of Fork	lift				State	e or	Territory Reg	ulator	
□ Contrac	tor					Saf	feWork NSW		
□ Rental 0	Com	pany				Wo	orkplace Health	and Safety	QLD
□ Private	Owr	ner				Wo	orkSafe ACT		
						Wo	orkSafe NT		
Forklift Manuf	actu	irer				Wo	orkSafe TAS		
						Wo	orkSafe VIC		
Independent E	Engi	neer/Investigator				Wo	orkSafe WA		
Operator at time of Incident					Airp	ort A	Authority		
Insurance Inve	estiç	gator			Othe	er _			
Site user of Fo	orkli	ft (Contractor)				_			
1.2 Investigator Det	ails								
Name									
Organisation									
Address									
Position Title							Phone		
Email							Mobile		
		Name							
	4	Position Title							
	1	Phone							
Assisting Persons		Email							
Assisting Fersons		Name							
	2	Position Title							
	_	Phone							
		Email							



		Name			
		Position Title			
3		Phone			
		Email			
Investigation Date			Start Time		AM / PM
Investigation Date			Finish Time		AM / PM

SECTION 2: De	tails of Incident Site		
Site Name			
Site Address			
Site Contact Person		Phone	
Email		Mobile	
Organisation			
Main Contractor			
Incident Date		Time	AM / PM
Incident Location			
Weather Conditions at time of Incident			
Lighting Condition at time of Incident			
Ground/Supporting Surface Description			

2.1: Sketch of Incident Scene

Sketch the site, truck and property damage in the area below. Note and mark with arrows where necessary. Attach additional pages if required



Ad	Iditional Pages Attached for Site Layout		YES	NO					
	tails of Person(s) Involved		1 - 5						
Fill in the details of the	he person, or persons involved in the incident. Be s			vement was eg. Truck					
3.1: Injured Perso	stander, etc. Attach additional persons or recount pon 1	pages if rec	uirea.						
Person 1 Full Name									
Address									
Suburb		Postcode							
Email		Phone)						
Organisation									
Usual Role									
Role During Incident	☐ Truck Operator – Operating Truck Number (ref	er Section	4) 🗆 1 🗆 2	□ Other:					
	☐ Bystander ☐ Spotter/Guide ☐ Oth	ner:							
Relevant Training or Qualifications	Duty of Care								
	☐ Familiarisation ☐ VOC ☐ None ☐ Oth	ner:							
Recount of Incident									



	Additional Pages Attached for Person 1		YES	NO	
3.2: Injured Perso	on 2				
Person 2 Full Name					
Address					
Suburb		Postcode			
Email		Phone			
Organisation					
Usual Role					
Dala Dania a la sida at	☐ Truck Operator – Operating Truck Number (refe	r Section 4)	□ 1 □ 2	□ Other:	
Role During Incident	☐ Bystander ☐ Spotter/Guide ☐ Othe	er:			
Relevant Training or Qualifications	□ Duty of Care □ HRW Licence: Class F	HRW No:		Expiry	
Qualifications	│ │□ Familiarisation □ VOC □ None □ Othe	er:			
Recount of Incident					
i contract of the contract of	1				

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-										
P	Additi	onal Pag	es Attache	d for Person 1		YE	S	Ν	10	
the truck or tr	ucks	involved	in the inci	dent. Attach add	itiona	ıl truck detai	ls pages i	f requi	red.	
dustrial Tru	ıck '	1								
				•						
				Year M	odel					
				Un	it ID					
				No. of sta	ages					
			ka							mm
				Max Towed We	eight					kg
						FRONT	FT RIGHT	REAR	LEFT	RIGHT
□ Flectric	п г	Diesel 🗆	Petrol	•		□ Other		1		
				Actual Batte						
IVIIIV	kg	IVI/A/X	kg	Weig	ght					kg
	etails of Fo	etails of Forklif the truck or trucks dustrial Truck Electric Lead Acid MIN	ctails of Forklift or Incite truck or trucks involved adustrial Truck 1 Electric	the truck or trucks involved in the incidendustrial Truck 1 kg Newtons Electric Diesel Petrol Lead Acid Gel Li-lon MIN MAX	AS/ISO Stancomplie Va Year M Un No. of sta kg Load Ce Newtons Max Towed We Press Electric Diesel Petrol LPG CN Lead Acid Gel Li-lon Other: MINI MAY Actual Batte	AS/ISO Standard complied to Variant Year Model Unit ID No. of stages kg Load Centre Newtons Max Towed Weight Measured Tyre Pressures Electric Diesel Petrol LPG CNG Lead Acid Gel Li-lon Other: MIN MAX MAX Actual Battery	the truck or trucks involved in the incident. Attach additional truck detailed truck or trucks involved in the incident. Attach additional truck detailed truck 1 AS/ISO Standard complied to Variant	the truck or trucks involved in the incident. Attach additional truck details pages in truck or trucks involved in the incident. Attach additional truck details pages in truck 1 AS/ISO Standard complied to Variant Year Model Unit ID No. of stages Load Centre Newtons Max Towed Weight Measured Tyre Pressures FRONT Pressures Electric Diesel Petrol LPG CNG Other: Lead Acid Gel Li-lon Other: MINI MAX Actual Battery	the truck or trucks involved in the incident. Attach additional truck details pages if required ustrial Truck 1 AS/ISO Standard complied to Variant Year Model Unit ID No. of stages Load Centre Newtons Max Towed Weight Measured Tyre Pressures Pressures Electric Diesel Petrol LPG CNG Other: Lead Acid Gel Li-lon Other: MINI MAX Actual Battery	tails of Forklift or Industrial Truck the truck or trucks involved in the incident. Attach additional truck details pages if required. AS/ISO Standard Complied to



				-0-	-0
er Details					
		Postcode			
		Phone			
iguration at Tim	e of Incident				
		Max. Capacity of Attachment			kg
	mm	Mast/Pantograph (for reach trucks)	Reached	Retracted	
	Degrees	Height/Extension/Angle	☐ Yes	☐ No	
	kg	Weight of Load (if applicable)			kg
□ Started	□ Driven	☐ Mast Raised ☐ M	Mast Lowered	☐ Mast Tilted	
☐ Cabin Opened	☐ Items Removed	☐ Lifted by Crane ☐ L	ifted by Forklift	☐ Removed by Tra	ansporter
☐ Free Operator	☐ Free other Person	☐ Stabilise after Incider	nt 🗆 Assist R	ecovery Clear In	cident Site
☐ Other:					
age					
	CONTINU	IES OVER PAGE			
age Continued					
	□ Started □ Cabin Opened □ Free Operator	iguration at Time of Incident mm Degrees kg Started Driven Cabin Opened Items Removed Free Operator Free other Person Other: age CONTINU	Postcode Phone Tiguration at Time of Incident Max. Capacity of Attachment Mast/Pantograph (for reach trucks) Pegrees Variable Capacity Height/Extension/Angle Weight of Load (if applicable) Started Driven Mast Raised Meight of Load (if applicable) Started Tree other Person Stabilise after Incident Other: age CONTINUES OVER PAGE age Continued	Postcode Phone P	Postcode Phone



					
4.1.4 Truck 1 Dam	age Caused by Rec	overy (Section 4.	1.2)		
Description of			•		
Truck Damage					
Caused during Recovery					
recovery					
4.1.5 Truck 1 Pho	tos				
Photos	☐ ID/Name Plate	□ Capacity Plate(s	s)	□ LPG/CNG Plate	☐ Battery ID Plate
tick each box once photos taken	☐ Attach. ID Plates	□ Operator Manua	al 🗆 Logbook	□ Controls	□ Gauges/Hours
	□ Front	□ Front LH at 45°	☐ LH side	□ Rear LH at 45°	□ Rear
	☐ Rear RH at 45°	□ RH side	☐ Front RH at 45	Roof/Top (if possible)	☐ Undercarriage (if possible)
	□ Mast/Boom	□ Carriage	☐ Load Guard	□ Attachment	□ Wheels/Tyres
	□ Seat/Seat belt	□ Tow Hitch	□ Modifications	□ Damaged Items	☐ Impact Marks
Other Photos					
4.2: Forklift or In	dustrial Truck 2				
Type of Truck			AS/ISO		
(as per Section i)			Standard complied to		
Make			Variant		
Model			Year Model		
Serial Number			Unit ID		
Mast/boom Height			No. of stages		
Max Lift Capacity		kg	Load Centre		mm
Drawbar Pull		Newtons	Max Towed Weight		kg
Type of Tyres			Measured Tyre Pressures	FRONT LEFT RIGHT	REAR LEFT RIGHT
Motive Power	□ Electric □ Diese	el 🗆 Petrol	□ LPG □ CNG	□ Other:	
Battery	□ Lead Acid □ Gel	□ Li-Ion	Other:		
Truck Min/Max Battery Weight	MIN kg	ЛАХ kg	Actual Battery Weight		kg
Additional Relevant Truck Details Other approved attachments and capacities, Registration numbers, Tyre pressures, etc	, ,	, ng	weight		Ng



Modifications If there is any evidence of modifications, detail them here				
4.2.1 Truck 2 Own	er Details			
Truck Owner				
Owner Address				
Suburb		Postcoo	de	
Contact Name		Phor	ne	
Email				
4.2.2 Truck 2 Conf	iguration at Time of Incident			
Attachment Fitted		Max. Capacity of Attachment		kg
Mast Height or Boom Extension	mm	Mast/Pantograph (for reach trucks)	☐ Reached ☐ Retracted	
Tilt/Boom Angle	Degrees	Variable Capacity Height/Extension/Angle	☐ Yes ☐ No	
Attachment Capacity at Height/Extension/Angle	kg	Weight of Load (if applicable)		kg
Has the Truck been	☐ Started ☐ Driven ☐ Ma	ast Raised 🗆 🛭	Mast Lowered Mast Tilted	
subject to any of the following post incident?	☐ Cabin ☐ Items Removed ☐ Lif	ted by Crane 🗆 🛭	Lifted by Forklift Removed by Transp	oorter
Reason for Above	☐ Free Operator ☐ Free other Person	☐ Stabilise after In	cident Assist Recovery Clear Incide	ent Site
Reason for Above	□ Other:			
4.2.3 Truck 2 Dama	age			
Known Pre-Existing Damage on Truck				
Damage on Truck				
	CONTINUE	(0.0)/ED DA OE		
4.2.3 Truck 2 Dam		S OVER PAGE		
Description of				
Truck Damage				—
Detail observations only, not commentary or theories				
	-			
				
				_

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	O

]				
4.2.4 Truck 2 Dama	age Caused by Rec	overy (Section 4.2.:	2)		
Description of					
Truck Damage Caused during					
Recovery					
4.2.5 Truck 2 Pho					
Photos tick each box once photos	☐ ID/Name Plate	☐ Capacity Plate(s)	☐ Mod. Plate(s)	☐ LPG/CNG Plate	☐ Battery ID Plate
taken	☐ Attach. ID Plates	☐ Operator Manual	□ Logbook	□ Controls	☐ Gauges/Hours
	□ Front	☐ Front LH at 45°	□ LH side	☐ Rear LH at 45°	□ Rear
	☐ Rear RH at 45°	□ RH side	☐ Front RH at 45°	☐ Roof/Top (if possible)	☐ Undercarriage (if possible)
	□ Mast/Boom	□ Carriage	☐ Load Guard	□ Attachment	□ Wheels/Tyres
	□ Seat/Seat belt	□ Tow Hitch	□ Modifications	□ Damaged Items	□ Impact Marks
Other Photos					
			l	l	<u>l</u>
SECTION 5: Do	tails of Property	4 Damago			
	roperty damaged cau		e incident. Where po	ossible, list and prope	erty damage that
may have been pres	sent prior to the incid	lent, or damage that	may have contribute	ed to the incident occ	curring. Include
description of other 5.1: Property Dai	equipment that was	damaged during the	incident. Attach add	litional pages it requi	red.
	mage Observed				
Site Name					
Address			12	T	
Suburb			State	Posi	tcode
Location on Site					
Additional Site					
Notes					
Pre-Existing					
Property Damage in the Vicinity of					
the Incident					



Observed Property Damage							
	Additional P	ages Attached for P	roperty Dama	age	Y	ES	NO
Photos tick each box once photos	☐ Ground Surface☐ Surrounding	☐ Ground Gradient☐ Overhead	☐ Other Eq☐ Undergro		□ Walkw	ays	☐ Blind corners
taken	Buildings	Structures	Services	uriu	□ Obstru	ctions	□ Signage
Other Photos					_		
OF OF ONL O							
	tails of Transpo transport damage a	ort to Site nd unattended trucks	s that could b	e interfe	ered with b	efore enter	ing site. Provide
details of the transp	ort company and dri	ver. Attach additiona	al pages if red	quired.			g ener i re i a
6.1: Transport Co	ompany						
Company Name Address							
Suburb				State		Postcode	
Driver Name				State		1 Ostcode	·
Time with							
Company (months/years)							
Date of Delivery				Time			AM / PM
Method of Transpor Tilt tray, low loader, trans							
Where was the truc	k left when delivered	to site?					
\\\ 4\\\\ 1			I- 41				
vvas the truck signe	ed for at the site, or le	eft unattended outsid	ie the site?				



Were the Ignition keys left in the truck when unattended?								
□ YES	□ NO	Comment:						
Copy of transport document collected and secured?								
□ YES	□ NO	Comment:						
Additional Comments from Transporter								
		Additional Pages Attached	for Transport		YES		NO	
			Tor Transport	<u> </u>	120		110	
SECTION 7: Further Investigation This section covers items which require further inspection or examination after the initial inspection is completed. Attach additional pages if required.					eted. Attach			
=		ner Investigation or Example 1997		ror	naire?			
Who completes the routine services/inspections? Who completes hose repairs?		<u> </u>						
Who completes the annual service/inspections? Has the hydraulic oil been replaced recently?								
Who completes emergency repairs?		What specification hydraulic oil was used?						
Who completes da	ily inspection	ons?	Have there been any recent major repairs?					
Who completes Do	C and AC el	lectrical repairs?	Are there signs of ele or fire?	Are there signs of electrical heat/melted wires, corrosion or fire?				
Has the battery be	en replaced	d recently?	Are the correct speci installed?	fica	tion batteries (in	clud	ing weight)	
Is the truck fitted w	ith an oscill	lating axle?	Are there any powere	ed c	outriggers install	ed?		



Is the axle fitted with an axle lock or lateral stability control?	Were the powered outriggers deployed at the time of the incident?
Is the axle lock/stability control functioning correctly?	Are the powered outriggers interlocked to prevent retraction when the boom/mast is elevated?
Are the fork thicknesses within wear limits?	Does the boom/mast segments show any signs of stress or fatigue?
Are the tyres within wear limits?	Is there excess play in bearings / bushes / hubs / hinges?
Do the function controllers return to neutral?	Is the weight gauge/load indicator accurate (if fitted)
Is the horn functional?	Is the reverse beeper functional?
Are the work lights/blue lights functional?	Are the signal/park/brake/reverse lights functional?
Other functions (where applicable)	
Is the sequential seat belt interlock functional?	It the mast height speed reduction system functional?
Is the seat switch functional?	Is the dead man switch functional?
Trucks with Elevating Platforms	
Are the fall arrest anchor points identified?	Was a fall arrest harness used in the platform?
Were the fall arrest harness's connected to the manufacturers designated anchor point?	Are the gate switches functioning?
Is the emergency lowering system accessible?	Is the emergency lowering system and functional?
Other Items	



