



# Potential Fatal Event: LHD Reverses into a Light Vehicle

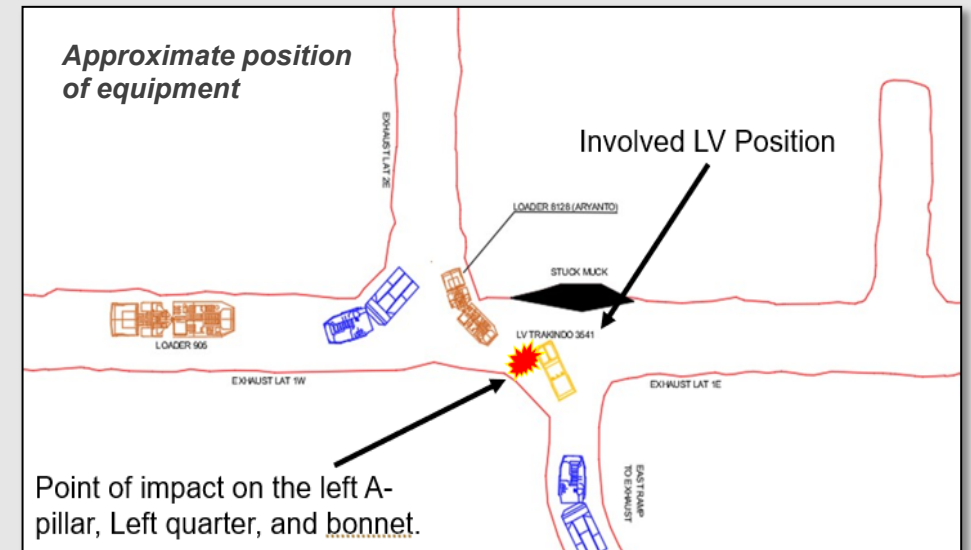
## Preliminary Incident Details

<b>Operation</b>	PT Freeport Indonesia
<b>Date / Time</b>	September 19, 2023 / 9:36 p.m.
<b>Type</b>	Property Damage
<b>Summary</b>	Two fitters in a light vehicle were in route to repair a broken down LHD loader. They passed two sets of "LHD in Operation" signs attached to the walls but did not stop. As they approached a T-intersection, the driver noticed an LHD was loading trucks. The driver signaled the LHD by flashing lights and sounding the horn. The LHD pulled forward for another load, at which point the LV proceeded to drive forward. The LHD reversed to load a truck and hit the LV several times while maneuvering, resulting in significant damage to the LV's structure.
<b>Fatal Risk</b>	Vehicle Collision or Rollover
<b>Risk Category</b>	Monitor
<b>Pre / Post Rating</b>	Significant (3) / Possible (2)
<b>Findings / Missing Controls</b>	<ul style="list-style-type: none"> <li>LHD was unaware of the LV presence</li> <li>Failure to establish positive 2-way communication</li> <li>Signs were left up between shifts, resulting in complacency</li> </ul>
<b>Applicable Policies / Procedures</b>	<ul style="list-style-type: none"> <li>SOP-6.01-UG-J01 LHD Operation Procedure</li> <li>SOP-4.04-PTFI-002 Light Vehicle Operation</li> </ul>
<b>Employee Condition</b>	No Injury
<b>Contact</b>	Andri Abdullah, Manager UG Operational Safety

## Photos / Links



Damage to light vehicle





# Potential Fatal Event Learnings: LHD Reverses into a Light Vehicle

Causal Factors	
<ol style="list-style-type: none"> <li>1. LV did not reverse as LHD backed up and instead relied on headlights/horn to signal operator.</li> <li>2. Failure to observe and assess hazards and risks.</li> </ol>	
Action Items	Hierarchy of Controls
Evaluate control signage needed at mucking area and socialize it to UG Division employees.	<b>Administrative</b>
Conduct discussions between Operation and Maintenance teams to review the effectiveness of communication systems with emphasis on measures to be done if there is a change in the initial information submitted by one team to another. Develop procedure for this and disseminate the information to all team members.	<b>Administrative</b>
Schedule operator and driver for offline refresher training to allow more comprehensive discussion and hands-on practice.	<b>Administrative</b>
Re-socialize SOP emphasizing LHD operators to honk the horn when moving/changing direction prior to going forward/reversing/making a turn. Hold discussions on Incident Management guideline with all team members working in the PB4 area.	<b>Administrative</b>
Evaluate back up aids to reduce the risk of exposure of HE operators, other mobile equipment and people. Socialize the evaluation result to UG Division Management.	<b>Administrative</b>