

# ACTIONABLE LESSONS LEARNED: Truck Collision



## Vehicle Collision

### Incident Overview

PTFI, February 19, 2024

During transport, a trailer truck had brake failure leading to a collision with a second trailer truck. Damage resulted to both vehicles.



### Causal Factors

- Failure to follow procedure – excessive use of service brakes when driving on downhill roads caused brake failure.
- Worker competency – lack of skills, experience or knowledge using proper braking procedures.

### Site Specific Actions



- **Administrative** – Management to conduct safety counselling for the driver.



- **Administrative** – Management to communicate incident details to Transport Crew focusing on:
  - Properly performing pre-operation checks and brake tests.
  - Using transmission gears that are suitable for load and road conditions.
  - Excessive use of service brake is prohibited.



- **Administrative** – Supervisor to perform planned job observation of the driver.



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### Employees

- Conduct proper pre-operation checks on equipment and brake tests.
- Use the proper gear transmission based on road conditions to help with speed control and avoid over-braking.
- Do not overuse service brakes.



### Freeport Leadership

- Conduct Fatal Risk Management meetings to discuss critical controls and vehicle collision risks.
- Leaders should maintain communication with drivers. Verify drivers are following procedures, especially the proper and service brake.
- Reinforce proper gear selection and berm design and maintenance.
- Utilize use of gears Geotab data to monitor driver performance and provide feedback to drivers.
- Leaders should conduct planned job observation regularly with drivers.



### All of Us

- Understand the fatal and serious risks of your tasks and how to control those risks.
- Incorporate lessons learned from this incident to prevent similar cases in the future.
- Consider engineering controls to help prevent serious incidents – in this event, prohibiting manual transmissions and installing transmission interlock systems helped prevent unwarranted movement.
- Report any near misses, unsafe acts or conditions in the field to prevent incidents.



Vehicle Collision

# Actionable Event: Truck Collision

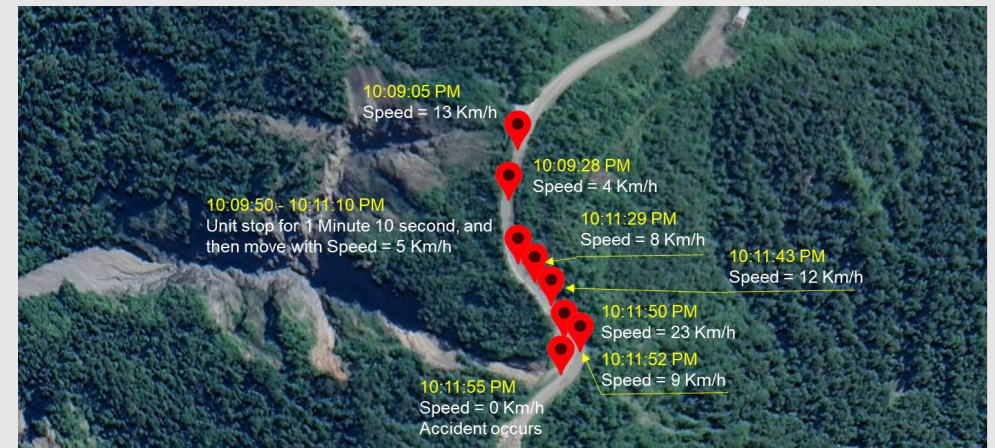
## Preliminary Incident Details

<b>Operation</b>	PTFI
<b>Date / Time</b>	February 19, 2024 / 10:55 p.m.
<b>Event Type</b>	Property Damage
<b>Summary</b>	During transport, a trailer truck had brake failure leading to a collision with a second trailer truck. Damage resulted to both vehicles.
<b>Risk Category</b>	Actionable – Significant (3) Likely (3)
<b>Findings / Missing Controls</b>	<ul style="list-style-type: none"> <li>Overuse of brakes caused the truck to continue moving after brakes were applied.</li> </ul>
<b>Applicable Policies / Procedures</b>	<ul style="list-style-type: none"> <li>KPI-CTR-011: Truck Operation of Flatbed, Trailer, &amp; Lowboy</li> </ul>
<b>Employee Condition</b>	No personnel were injured.
<b>Contact</b>	Lucky Hermawan, VP Maintenance Support

## Photos / Links



• Final position of trucks



Geotab Speed Information – 021086

10:09 PM to 10:12 PM