

MNMM Fatal 2004-20

- Powered Haulage
- October 12, 2004 (Iowa)
- Crushed Stone Operation
- Truck Driver
- 58 years old
- 17 years experience

Overview

- The victim was driving a loaded haul truck down grade on a mine road when the truck traveled over the berm and came to rest about 20 feet below the edge of an embankment.

Area where truck ran over berm

Dual tire
marks



Dual tire marks

Why Did Accident Occur?

- The accident was caused by the failure to maintain the braking systems on the truck in a functional condition. Policies, standards, and controls were inadequate in that examinations of the haul truck had not identified the leaking wedge-type hydraulic brake actuators and oil coated drums as a safety defect. The victim was not wearing a seat belt at the time of the accident.



Causal Factors

- Management policies, standards, and controls were inadequate. Examinations of the truck failed to identify the leaking wedge-type hydraulic brake actuators and oil coated drums as a safety defect. Maintenance procedures were deficient and didn't ensure the service brake system was maintained according to the specifications required by the manufacturer.

Best Practices

- Mobile equipment operators should ensure their seat belt is fastened before operating the equipment.
- Conduct thorough pre-operational checks on all self- propelled mobile equipment and ensure safety defects are corrected before operating the equipment.
- Ensure that service brakes will stop and hold mobile equipment prior to operating it.
- Operate trucks in an appropriate gear for the grade, load, and speed.