

# SAFEX

## INTERNATIONAL

(Since 1954)

### INCIDENT NOTICE

(Kindly direct all correspondence to the Secretary General)

**INCIDENT TITLE:** 10 Mar 2021: Finland – sinking of a MEMU-truck

DATE POSTED	REFERENCE	SOURCE
6 May 2021	IN 21-14	Non-Member
INCIDENT OUTLINE		
When did it happen?	Wednesday, 10 of March 2021 at about 11.00 am	
Who experienced it?	Pyylähti Oy, Finland	
Where did it happen?	At a quarry worksite.	
What material was involved?	MEMU-truck, 13 000kg total payload.	
What happened?	At the beginning of a loading operation the MEMU-truck fell through ice and was immersed in water about 2 meters deep	
Why did it happen – theory?	The operators were instructed to drive to a road leading to the pumping site, the road was ploughed through snow and over ice that had formed over a pit of water. The road was apparently ploughed to a wrong location. The part of the road which went over ice was not marked in any way.	
What was the impact?	No injuries to personnel. The MEMU-truck was badly damaged due to water ingress of drivetrain and electrical control systems.  The tanks of the MEMU remained intact and nothing leaked to the environment	

### ADDITIONAL INFORMATION

**Enclosure** See pictures below

**Subsequent report** No

### COMMENT

**Comment**

Clients are recommended to provide a clear description of driving arrangements on worksites. Operator training to include escape training in case of truck sinking. Emergency hammers in the cabin.

By draining the oil and water from the drivetrain of the truck almost immediately after the lifting was done and by filling the drivetrain back with oil, drivetrain damage was kept to a minimum. Ingressed water could not freeze and break the block and new oil prevented corrosion.

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ENCLOSURE



MEMU in the water



**MEMU in the water**





**Lifting operation done**