

## ANALYSYS (Investigation of immediate and fundamental (root) causes)

Reconstruct the chronological order including the causes and effects of the accident:

**Damage or Injury:**

Tractor trailer on it's side, damaged c-cans and spilled product



**Fact(s):**  
(Why?)

Truck spun out on the hill and then slid backwards into the ditch landing on it's right side.

The truck ahead of the one involved in the accident had to stop when climbing the hill (not enough traction). This forced TRK#20 to stop at the bottom of the hill to wait. The other truck was pulled by grader #1 to climb the hill. The grader scraped the hill before TRK#20 attempted to climb the hill. He had to start from a dead stop at the bottom of the hill to try and attempt to climb the hill.

No sanding truck operational at the time of the accident and none have been available since the start of the winter season.



**Immediate Cause(s):**  
(Why?)

Failure to make safe : Stop at the bottom of the hill (following to close)

Attempt to climb the hill without any grader pulling him

Slippery condition and snow drift : Winter condition

Using defective equipment: Brakes on trailer and some of the brakes on truck were not operational as per test conducted on site.



**Fundamental  
(Root) Causes(s):**  
(Why?)

Inadequate inspection: Inspection by driver was completed and "#9. Brakes Service" was checked off on the pre-operational checklist but the brakes were not operational on the trailer.

Inadequate maintenance: No breaks were operational on the trailer and some of the brakes on the truck were not functioning either. (see video)