Incident Summary (5612481) (Final)

<table>
<tr><td rowspan="11">SUPPORTING INFORMATION</td><td colspan="3">Incident Date</td><td>February 27, 2017</td></tr>
<tr><td colspan="3">Location</td><td>Grand Forks</td></tr>
<tr><td colspan="3">Regulated industry sector</td><td>Passenger Ropeway – surface lift</td></tr>
<tr><td rowspan="6">Impact</td><td rowspan="3">Injury</td><td>Qty injuries</td><td>0</td></tr>
<tr><td>Injury description</td><td>N/A</td></tr>
<tr><td>Injury rating</td><td>None</td></tr>
<tr><td rowspan="2">Damage</td><td>Damage description</td><td>2 broken wires on haul rope, carrier grips damaged.</td></tr>
<tr><td>Damage rating</td><td>Moderate</td></tr>
<tr><td colspan="3">Incident rating</td><td>Moderate</td></tr>
<tr><td colspan="3">Incident overview</td><td>It was reported to BCSA that an incident occurred on a ski lift T-bar. A passenger failed to unload the lift properly causing the "T" seat they were riding to become entangled with another "T" seat. The entanglement caused one of the "T" seat carriers to be plucked off of the overhead hauling rope. The entanglement caused damage to the two "T" seats and the overhead hauling rope. The action of the of the entanglement caused the hauling rope to bounce which actuated a safety switch on a nearby guide sheave wheel. The safety switch stopped the ski lift.</td></tr>
<tr><td rowspan="4">INVESTIGATION CONCLUSIONS</td><td colspan="3">Site, system and components</td><td>Passengers unload the ski lift "T-bar" directly underneath the up-hill running side of the overhead haul rope. This correct unloading position is important as it ensures that the up-hill "T" seats will not become entangle with the down-hill "T"-seats. All tower and guide sheave wheel assemblies are equipped with safety switches. The safety switches are designed to shut down the ski lift in the event of deropement of the sheave wheel assemblies.</td></tr>
<tr><td colspan="3">Failure scenario(s)</td><td>The incorrect unloading of the ski lift "T" seat by the passenger, caused the "T" to swing violently. The swinging "T" entangled with a downhill moving "T".</td></tr>
<tr><td colspan="3">Facts and evidence</td><td>- "T" seats were seen to be entangled
- One of the "T" grips had been pulled off of the hauling rope.
-The hauling rope was damaged where the "T" grip had been pulled from the rope.</td></tr>
<tr><td colspan="3">Causes and contributing factors</td><td>It is very likely that the improper unloading of the ski lift by the passenger caused the "T"'s to become entangled.</td></tr>
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Photos or diagrams (if necessary)