

Incident Summary (5617798) (Final)

SUPPORTING INFORMATION	Incident Date		June 21, 2017	
	Location		Golden	
	Regulated industry sector		Passenger Ropeways – detachable gondola	
	Impact	Injury	Qty injuries	0
			Injury description	None
			Injury rating	None
	Damage		Damage description	No damage detected on the tire, rim, bolts or hub.
			Damage rating	Insignificant
	Incident rating		Insignificant	
Incident overview		Tire came loose in top terminal and fell down. With a tire missing carriers may to collide into each other.		
INVESTIGATION CONCLUSIONS	Site, system and components		A grip on a detachable chairlift becomes detached from the main haul rope. Tires are used to convey a carrier through the terminal at slower speed than the main haul rope.	
	Failure scenario(s)		An improperly seated and/or incorrectly torqued tire has the potential for bolts to back off and tire will come loose.	
	Facts and evidence		Each tire on the conveyor system in each terminal is held on by 4 bolts. The tire hub needs to be seated accurately and bolts torqued specifically. All 4 bolts fastening tire to conveyor system were found to be completely intact.	
	Causes and contributing factors		It is very likely that the tire hub was not seated correctly. When a grip from a carrier was moved by the tire through the terminal, the grip may have re-adjusted the tire hub. Then the bolts may have become loose.	

Photos or diagrams (if necessary)