

Incident Summary Reference #II-639118-2018 (Final)

SUPPORTING INFORMATION	Incident Date	<i>December 23,2017</i>	
	Location	<i>Vancouver</i>	
	Regulated industry sector	<i>Elevating Device/ Escalator</i>	
	Impact	Qty injuries	<i>1</i>
		Injury description	<i>Cut/ Amputated tip of right index finger</i>
		Injury rating	<i>Minor</i>
	Damage	Damage description	<i>Section of the step demarcation was missing but was not caused by the incident</i>
		Damage rating	<i>None</i>
	Incident rating	<i>Minor</i>	
Incident overview	<i>It was reported to Technical Safety BC that a maintenance worker (cleaning staff) had been injured by an escalator. It was reported that a broken portion of an escalator step allowed the workers finger to get caught between the moving damaged section of step and the bottom of the escalator comb plate..</i>		
INVESTIGATION CONCLUSIONS	Site, system and components	<i>Escalator step demarcation lines are used to highlight the edges of the step for ease of loading/ unloading . The demarcation lines for this escalator are made of a plastic material affixed to the escalator step. At the beginning and end of an escalator are comb plates. Comb plates are positioned where the steps emerge and descend into the floor. Comb plates are designed to ensure that items do not become entrapped at the start and end of the escalator. The escalator step demarcation line is an outline of the step and is grooved in a way to be the opposite of the comb plate teeth. The step and comb plate are grooved in such a way to prevent items from getting pulled into the escalator internal workings.</i>	
	Failure scenario(s)	<i>A cleaner was wiping the step/ comb plate on a down moving escalator. When the damaged step approached, his right index finger partially was embedded in the missing section of the step injuring his finger.</i>	
	Facts and evidence	<i>-Video footage was obtained from the Mall security. The footage showed a maintenance worker at the bottom of the escalator. -Incident report was obtained from the Mall security who treated the injured cleaner until paramedics arrived. Incident report contains statement of the injured. Injured party stated that his “finger was caught in a missing escalator demarcation” -photos of the missing section of the escalator step. (see below)</i>	
	Causes and contributing factors	<i>It is likely that the step demarcation was damaged due to wear and tear or possibly it was fractured during installation/maintenance. It is highly likely that the injury was a result of the cleaner working on moving equipment, catching his finger between the damaged step and the comb plate.</i>	

Photos or diagrams (if necessary)



