

## Incident Summary #II-915189-2019 (#15006) (FINAL)

SUPPORTING INFORMATION	Incident Date	August 27, 2019	
	Location	Burnaby	
	Regulated industry sector	Elevating devices - Construction / personal hoist/ man lift	
	Impact	Qty injuries	1
		Injury description	Amputation of left middle finger above first knuckle
		Injury rating	Moderate.
	Damage	Damage description	No damage to regulated product.
		Damage rating	None
	Incident rating	Moderate	
Incident overview	During a hoist raise the licensed mechanic was holding a slowdown bar in his left hand while traveling in the up direction. The lower mounting bracket of the slowdown bar assembly came into contact with a tower brace at the 21 <sup>st</sup> landing.		
INVESTIGATION CONCLUSIONS	Site, system and components	During normal operation the slowdown bar is attached parallel to the tower. A directional limit switch is mounted on the cab. As the hoist travels to the top and bottom of the tower the limit switch is activated by the slow down bar causing the hoist to operate at a reduced speed.	
	Failure scenario(s)	The Mechanic did not have an apprentice to operate the hoist. Mechanic was operating the hoist with his right hand while gripping the slowdown bar with his left hand. The lower mounting bracket of the slowdown bar assembly was attached while traveling in the up direction.	
	Facts and evidence	As per mechanic he was alone on car top. As per Polygon incident investigation report mechanic was on car without other workers. As per mechanic he was resting his left arm on the top handrail while holding the slowdown bar as he operated the hoist in the up direction. As per report the lower mounting bracket of the slowdown bar assembly was not removed prior to repositioning the hoist to re secure the slowdown bar assembly.	
	Causes and contributing factors	The mechanic was independently operating the hoist in up direction while holding slowdown bar in his left hand. The mechanic did not remove the lower mounting bracket. It is very likely that the mechanic did not have a clear line of sight while traveling in the up direction. It very possible that the mechanic could not see the clearance between the tower brace and the slowdown bar assembly lower mounting bracket.	



Slowdown bar mounted to bracket which attaches to mast.

