

Incident Summary Report II-694728-2018 (7408)

SUPPORTING INFORMATION	Incident Date	May 26, 2018	
	Location	Penticton	
	Regulated industry sector	Amusement Devices - Amusement ride	
	Impact	Qty injuries	2
		Injury description	One rider complained of whiplash and bruising on her right side of her body while the co-rider had back pain.
		Injury rating	Minor
	Damage	Damage description	None
		Damage rating	None
Incident rating	Minor		
Incident overview	The amusement ride was operating too fast. A rider complained of whiplash and bruising and the co-rider had back pain.		
INVESTIGATION CONCLUSIONS	Site, system and components	The amusement ride is driven by hydraulic power. A hydraulic pump provides the flow of hydraulic fluid to hydraulic motors. The hydraulic motor execute the operation of the ride. A hydraulic flow control (restrictor) valve is placed between the pump and motor. It is used to reduce the fluid flow rate which will reduce actuator (hydraulic motor) speed.	
	Failure scenario(s)	The hydraulic system had an failure at the previous event (week prior). Components were reinstalled prior to this setup. No speed check (RPM) was performed with re-installed components.	
	Facts and evidence	. As reported by the duty holder: <ul style="list-style-type: none"> - Ride had a hydraulic breakdown at previous setup - Installed a new hydraulic pump prior to this event - Ride speed was not verified with manufacture specifications and documented succeeding new part installation - After complaint of riders speed was checked - Determined ride was operating too fast - Adjusted to manufacture operating speed after complaint 	
	Causes and contributing factors	It is very likely that the operator not verifying ride speed after the re-installation of hydraulic components caused ride to operate too fast and riders to experience discomfort.	