

Incident Summary (Reference #5619043)

SUPPORTING INFORMATION	Incident Date	July 20, 2017	
	Location	Duncan BC	
	Regulated industry sector	Industrial	
	Impact	Qty injuries	1
		Injury description	Employee felt weak, dizzy, and faint. Was transported to hospital and later released. Returned to work the next day, therefore no lost time.
		Injury rating	Minor
	Damage	Damage description	Compressor discharge line cracked, resulting in R22 refrigerant loss of containment.
		Damage rating	Minor
Incident rating	Minor		
Incident overview	The P24 ice maker compressor discharge line cracked resulting in most of the refrigerant charge being lost, and a minor injury to one employee who entered the room. (Inhalation and subsequent discomfort)		
INVESTIGATION CONCLUSIONS	Site, system and components	Compressor discharges high pressure, high temperature gas through this line to the evaporative condenser.	
	Failure scenario(s)	Years of vibration from the compressor is the likely cause of the copper line cracking.	
	Facts and evidence	There are no other indications other than what is noted above as contributing factors that lead to this incident.	
	Causes and contributing factors	This crack and subsequent leak was most probably the result of extended operation without having some type of vibration dampener ("Vibrasorber") installed on the discharge line of the compressor. Therefore the line and joints are subjected to all of the imposed vibration loads and stresses when compressor is operating.	