

Incident Summary #II-793734-2019 (#10404) (FINAL)

SUPPORTING INFORMATION	Incident Date	December 21, 2018	
	Location	Near Dawson Creek	
	Regulated industry sector	Boilers, PV & refrigeration - Boiler and pressure vessel system	
	Impact	Qty injuries	0
		Injury description	None
		Injury rating	None
	Damage	Damage description	A crack occurred along the vertical weld seam.
		Damage rating	Moderate
	Incident rating	Moderate	
Incident overview	An air dryer pressure vessel developed a crack along the vertical weld seam during operation and released compressed air.		
INVESTIGATION CONCLUSIONS	Site, system and components	The vessel and weld seams contain compressed air during normal operations.	
	Failure scenario(s)	Lack of fusion of weld seam to vessel shell material.	
	Facts and evidence	Radiographic testing indicated that there was a lack of fusion along a portion of the vertical weld seam.	
	Causes and contributing factors	It is plausible that lack of fusion of the weld to the vessel material contributed to the failure of the weld seam.	



Air dryer overview.



Area of crack along vertical weld seam.