

Crescent Point visual inspection report – pressure vessel

☐ Installation ☐ External ☐ Piping																				
D	ate:	February	y 7, 201					Description: Vesse			ssel	□ Excl	nanger 🗀	Furnac	e Boil	er				
In	spector:	Ryan Hogg						Unit #:					Equip #	: 848	871					
Agent Co:		101292687 Saskatchewan Ltd						Equip. Name: Filter												
								Jurisdiction					CRN #:	T46	05.4					
_	rovince:	Manitoba							Manufacturer: ESS Corp											
Area:		Run 009 – Ingoldsby/Pierson							/ear Built: 2014 S/N: 4551 B											
-	ubarea:	Battery 09-32-001-28W1						Location/L	Location/LSD: BAT/09-32-001-28W1											
Service		Sweet Sour Other:							PSV Location Choose				C	T C-	Щ,	MDM.	ı	-20F		
Zones:		MAWP Design T		T S	Set P	CPE# Ma		nufacturer		S/N		In. Sz	Out. Sz	Serv. Co.	Sei Da		IV	CSO	Capacity	
Shell Side Tube Side		150 PSI	50 PSI 100 F														Y/N	Y/N		
Other						1											Y/N	Y/N		
	Outer	Material		Nor	minal t	CA		Retire t	Lo	owest t t C		OK?	? Calc. t-min		Comment					
ıts	Shell	Waterial			illia t	071		rtotilo t	.485				Oulo.			Commont				
Shell Head Channel Tube		i		0.50	0"				0.29			Υ□N								
١g	Channel	nel										Y 🗆 N								
Įĕ	Tube											Υ□N								
	Other											Y□N			Speci	fy:				
Orientation		☐ Hor. ☑ Ver. Foundation ☐ Concrete ☐						. Gravel 🗖 Ti	Gravel ☐ Timbers ☑ Steel ☐ Other:					Con	ondition Welded in place					
Support		☐ Saddle ☐ Seal-welded						☐ Free to Move				Co	ondition:							
		Skirt			ree of d	ebris Co	mmer	nt:					Condition:							
		Hang		□ s	ecure	Comment	:					Co	Condition:							
		Other			cify: Sta	nd inside	buildir	<u>ıg</u>					Condition: Painted inside building							
Overall		General											Electrical grounding Direct Indirect None							
Ext. Surface		☑ Painted ☐ Insulated ☐ Fire-proofed ☐ Cladded ☐ Other: Condition:																		
Ext. Fixtures		□ Ladder □ Platform(s) □ Other: Condition:																		
		■ Manway ■ Port Size: Removable top head ■ Reinforcement Pads used ■ Weep Holes Present																		
		Comment																		
Davit Arm		Present Greased Double nutted Condition PSV Supported Joined per code Drains Properly Well Coated Comment:																		
		∐ PSV		=1		-							ell Coated							
		Inlet		_ Oup	ported					from lea			ell Coated		ment:					
Piping		Outlet Supported Joined per code Free from leaks Well Coated Commen																		
		Drain Supported Joined per code Free from leaks Well Coated Comment:																		
		✓ Instrumentation ✓ Supported ✓ Joined per code ✓ Free from leaks/kinks Comment: Comment:																		
						☑ Free				omment:										
Valves																				
		□ Vents	ieaks Coii																	
						Comme g: 60 PSI		Condition: cl	ean a	nd reads	hle									
Gauges Sight Glass		✓ Pressure Reading:✓ Temperature Reading:																		
		☐ Fluid			Reading			Condition:												
H					`	-														
		Inspection Practices: 2.0 Non-Fired Pressure Vessels																		
		Filter is showing internal pitting and corrosion at the time of inspection. Bottom head was UT'd readings throughout were:																		
	spection	i iitei is t	SHOWING	, iiiteii	ιαι ριιιι	ig and coi	103101	rat the time	ן פווו וט	pection.	Donc	iii iicau	was OT u	readings	s ti ii Ou	grioui	ı were	·-		
Summary		Head nominal 0.500" with areas in the radius area down to 0.405" in pitts, the center between the nozzles in the bottom head was an 8" circular area with readings from 0.350" to 0.295" remaining – design is the same as 4551 - A was open at the time of inspection and																		
								the filter cart			15 1116	Same a	5 433 I - A	was ope	zii at ti	ie uiii	ie oi ii	ispeci	lion and	
		Filters are at end of life prepare for future replacement.																		
		Recommended Actions:									NCR/IDR									
V	sually inspe	ot once opened.																		
VESSEL STATUS Integrity Status Suitable for Continued Service Vess No. Future Pennire Pequired																				
_	tegrity Statu ventory	·																		
Status		₹ 1	In Servi	ce 🗀	Out of	Service	Ľ Su	rplus 🖳 R	ental	□ Sc	rap									



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	☐ Installation			
Date:	February 7, 2018	Description:	☑ Vessel ☐ Exchanger ☐ Furnace	Boiler
Inspector:	Ryan Hogg	Unit #:	Equip #:	848874
Agent Co:	101292687 Saskatchewan Ltd	Equip. Name:	Filter	
		Jurisdiction	CRN #:	T4805.4
Province:	Manitoba	Manufacturer:	ESS Corp	
Area:	Run 009 – Ingoldsby/Pierson	Year Built:	2014 S/N :	4550 B
Subarea:	Battery 09-32-001-28W1	Location/LSD	BAT/09-32-001-28W1	



Inspection Interval: 1 yrs OR Changed to:	yrs.
PSV Interval: OR Changed to: yrs.	
Ultrasonic Inspection Interval: 6 months OR	Changed to: yrs.
☐ Class 1 ☐ Class 2 PEI Certificate #:	<u>PEI 128</u>
IPV/IBPV Certificate #:	1/4
Inspectors Name: Ryan Hogg	Signature: Kyan 1099
Chief Inspector: I certify that the information	on this report is true and all inspections as required by our Owner/User Quality Assurance
Program # QMS-0036 which expires Ser	otember 6, 2018 have been done.

Recommendations:

Internally inspect at next filter change – internal corrosion is expected to be similar to 4550-A.

UT after 6 month of service due to corrosion issues in the adjacent filters.

Filters should be cleaned out on a regular basis when switching to opposite bank of filters.

Filter is at end of life – prepare for future replacement.