

# API 510 PRESSURE VESSEL INSPECTION REPORT

## GENERAL INFORMATION

CLIENT:	Tourmaline Oil Corporation	REPORT NUMBER:	
PROJECT:		INSPECTION DATE:	9/22/2025
FACILITY:	Septimus Compressor Station	APPLUS JOB NO.:	4051051
LOCATION / LSD:	09-36-81-19W6M	ORIENTATION:	<input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
VESSEL NAME:	Inline Recycle Separator	STATUS:	<input type="checkbox"/> In-service <input checked="" type="checkbox"/> Out of Service
EQUIPMENT NO.:		INSPECTION TYPE:	<input checked="" type="checkbox"/> Regulatory <input type="checkbox"/> Inventory <input checked="" type="checkbox"/> VE <input type="checkbox"/> VI

## PRESSURE VESSEL NAMEPLATE DATA

PROV. REG. NO.:	<b>A0516853</b>		CRN NUMBER:	<b>R8682.2</b>	
SERIAL NUMBER:	2004-7269-09		SIZE:	8.625" x 48"	
MANUFACTURER:	ALCO GAS & OIL PRODUCTION EQUIP.		CODE PARAMETERS:	ASME VIII, Div. 1	
YEAR BUILT:	2004		MANWAY ACCESS:	NO	
RADIOGRAPHY:	RT-1		HEAT TREATMENT:		
COATED:			CORR. ALLOWANCE:	0.125"	
SHELL THICKNESS:	0.594"/0.719"		SHELL MATERIAL:	SA-234 WPB/106B	
HEAD THICKNESS:	0.594"		HEAD MATERIAL:	SA-234	
TUBE THICKNESS:			TUBE MATERIAL:		
TUBE DIAMETER:			TUBE LENGTH:		
DESIGN PRESSURE:	SHELL:	1415 PSI	OPERATING PRESSURE:	SHELL:	
	TUBES:			TUBES:	
DESIGN TEMPERATURE:	SHELL:	148°F	OPERATING TEMPERATURE:	SHELL:	
	TUBES:			TUBES:	

## PRESSURE VESSEL SERVICE INFORMATION

### SELECT ALL THAT APPLY

☐ Sweet ☐ Sour ☐ Oil ☐ Gas ☐ Water ☐ Produced Water ☐ Steam ☐ LPG ☐ NGL ☐ Propane ☐ Condensate  
☐ Glycol ☐ Amine ☐ Pulp ☐ Air ☐ Other

## PRESSURE SAFETY VALVE (PSV) NAMEPLATE DATA

	PSV 1	PSV 2		PSV 1	PSV 2
PSV TAG NUMBER:			PSV SERIAL NO.:	16689-1	
MANUFACTURER:	Taylor		MODEL:	82F8761341-33-40-0	
LOCATION:	Contacto shell		BLOCK VALVE:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
SIZE:	1.5" x 2"		CAPACITY:	8589 SCFM	
SET PRESSURE:	1415 PSI		SERVICE DATE:	06/2015	

## INSPECTION INTERVAL

INSPECTION INTERVAL:		PSV SERVICE INTERVAL:	
DATE OF NEXT INSPECTION:			

## REPORT CERTIFICATION

The signatures below certify that inspections/tests have been completed in accordance with the identified inspection strategy and that the specified equipment is considered fit for service until the date of next inspection.

	NAME	SIGNATURE	CERTIFICATION	DATE
INSPECTED BY:	Andrew Neis		API 510 # 48747 / IBPV # 0857	September 22, 2025

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### EXTERNAL INSPECTION

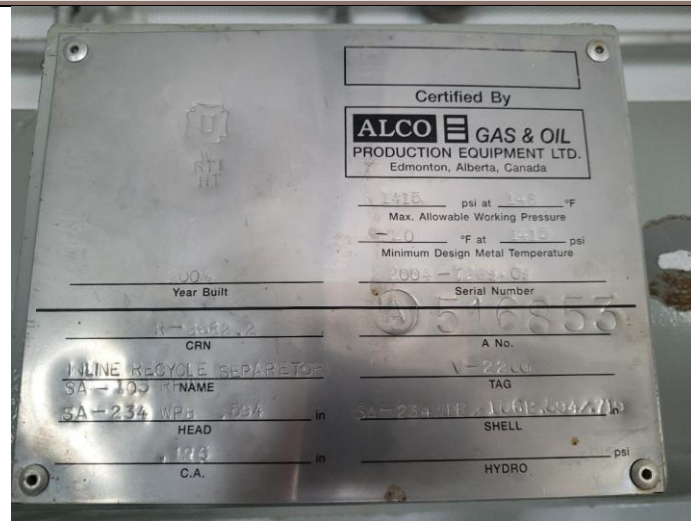
DESCRIPTION	CONDITION	COMMENTS
<b>Insulation</b> Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture.	N/A	Vessel is not insulated
<b>External Condition</b> Assess paint condition, areas peeling, record any corrosion, damage, etc. (record location, size and depth of corrosion or damage)	Good	Paint is in good overall condition – no corrosion or mechanical damage – no bare metal.
<b>Leakage</b> Record any leakage at flanges, threaded joints, weep holes on repads, etc.	N/A	No evidence of previous leakage
<b>Saddle/Skirt</b> Assess condition of paint, fire protection, concrete. Look for corrosion, buckling, dents, etc. Look at vessel surface area near supports. Verify no signs of leakage at attachment to vessel and attachment welds are acceptable. Ground wire attached?	N/A	None – vessel is mounted inline
<b>Anchor Bolts</b> Hammer tap to ensure secure. Look for cracking in treads or signs of deformation.	N/A	Pipe clamps for vessel anchoring – secure
<b>Foundation</b> Check for cracks, spalling, etc.	N/A	
<b>Ladder / Platform</b> Describe general condition, ensure support is secure to vessel, describe any hazards.	N/A	None
<b>Nozzle</b> Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles gusseted?	Good	Paint is in good condition – no leakage. No damage or deflection
<b>Gauges</b> Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/ Temp.	N/A	None
<b>External Piping</b> Ensure pipe is well supported. All clamps, supports, shoes, etc. in place. Look for evidence of structural overload, deflection, etc. Paint condition, external corrosion?	Good	Piping is well supported – all clamps, supports, and shoes are in place. No evidence of structural overload. Paint is in good condition – no corrosion
<b>Valving</b> Ensure no leaks are visible. Valves are properly supported and chained if necessary.	Good	No leaks – well supported
<b>Sight Glasses, Bridles, Auxiliary Equipment</b> Are sight glasses clean? Any leakage or concerning vibration? Ensure any added supports are intact.	Good	Sight glasses are clean and well supported – no evidence of leaks
<b>PSV</b> Ensure PSV is set at pressure at or below that of vessel. Discharge piping is same size as inlet to valve and is properly supported and routed. Ensure no block valves between PSV and vessel or if there are they are locked open.		PSV is set at vessel MAWP – discharge piping is properly supported and routed – no block valve. PSV is due for service
<b>VISUAL EXTERNAL SUMMARY:</b>	Visual external inspection carried out – vessel is in good overall condition. Equipment has been out of service for several years. No corrosion or mechanical damage. Sign of leaks. No items of concern. PSV requires service.  <b>Fit for Service</b>	
<b>RECOMMENDATIONS:</b>		
<b>NCRs / CORRECTIVE ACTIONS / REPAIRS REQUIRED:</b>		
<b>SUMMARY OF NDE RESULTS:</b>	Ultrasonic thickness testing carried out – no metal thickness detected below nominal minus corrosion allowance	

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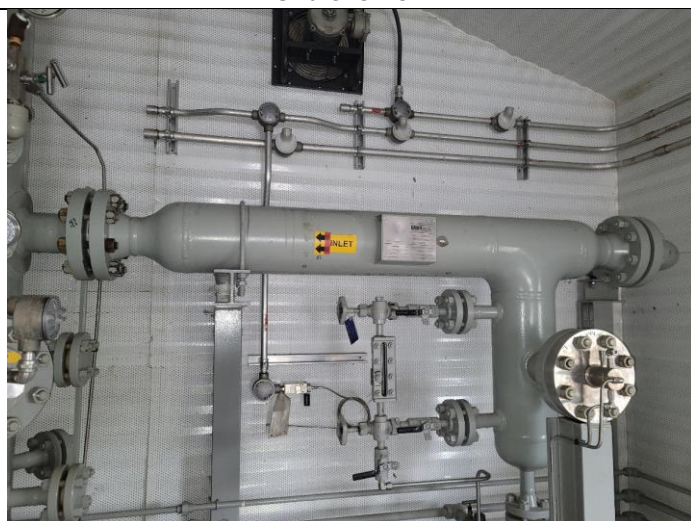
## PHOTOS



Skid Overview



Nameplate



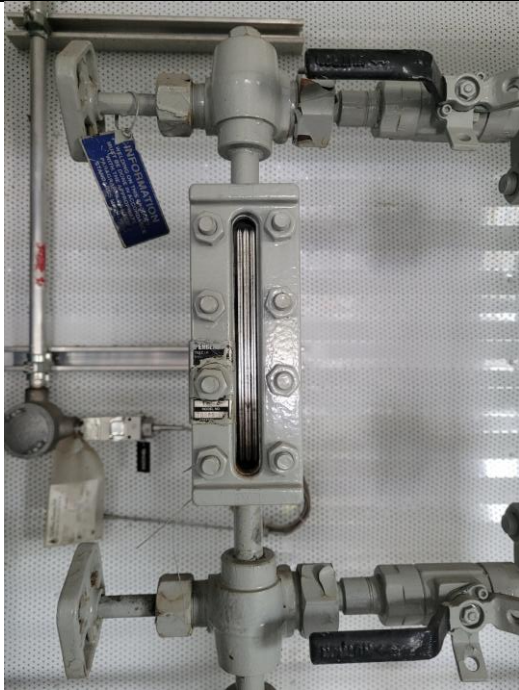
Vessel overview



Anchoring



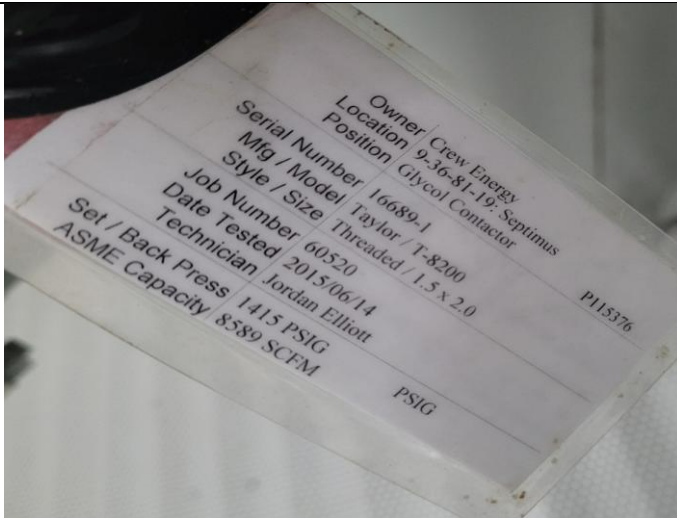
## API 510 PRESSURE VESSEL INSPECTION REPORT



Sight glass



PSV



PSV nameplate