



# External Inspection

<b>Client</b>	Yoho Resources				<b>Inspector</b>	Bob Stanhope				<b>Date</b>	Dec 20, 2018				
<b>District</b>	Inga		<b>Surface LSD</b>	10-19-087-23W6				<b>Downhole LSD</b>							
<b>Vessel Data</b>															
<b>Vessel Description</b>				Fuel Gas Separator				<b>RT</b>	2		<b>PWHT</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Partial			
<b>A# / NB#</b>	A0577529		<b>Serial #</b>	149-35-07				<b>Manway</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Size:</b>					
<b>Owner Tag</b>			<b>Skid</b>					<b>OD</b>	10"		<b>Length</b>	52"			
<b>MAWP 1</b>	<input checked="" type="checkbox"/> Shell <input type="checkbox"/> Tube	1480	psi		kPa	<b>MAWT</b>		C	100	F	<b>MDMT</b>		C	-20	F
<b>MAWP 2</b>	<input type="checkbox"/> Shell <input type="checkbox"/> Tube		Psi		kPa	<b>MAWT</b>		C		F	<b>MDMT</b>		C		F
<b>Operating Pressure</b>		50	psi		kPa	<b>Operating Temp</b>		15	C		F	<b>Flange Rating #</b>		600	
<b>Process Conditions:</b>				<input checked="" type="checkbox"/> Sweet <input type="checkbox"/> Sour				<b>Internal Coating:</b>		None					
<b>Product:</b>												<input checked="" type="checkbox"/> Gas <input type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Effluent <input type="checkbox"/> Other:			
<b>PSV Data</b>															
<b>Owner ID/Tag</b>								<b>PSV Location</b>		Shell					
<b>Manufacturer</b>				Taylor				<b>Model #</b>		82E5351311					
<b>Serial #</b>				070671-3				<b>Mfg Date</b>							
<b>CRN #</b>				0G1316.2C				<b>Code</b>		NB/UV					
<b>Set Pressure</b>		250		<input checked="" type="checkbox"/> psi <input type="checkbox"/> kPa	<b>Service Company</b>							Kings Energy			
<b>Capacity</b>	838	scfm		gpm		<b>Other</b>		<b>Service Date</b>		18/18	<b>Service Tag #</b>				
<b>Inlet Size</b>	1"	NPS		<b>Type</b>	<input checked="" type="checkbox"/> THD <input type="checkbox"/> FLG #			<b>Outlet Size</b>	1"	NPS		<b>Type</b>	<input checked="" type="checkbox"/> THD <input type="checkbox"/> FLG #		
<b>Inlet Block Valve</b>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Locked/Sealed</b>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Outlet Block Valve</b>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Locked/Sealed</b>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Seal Intact:</b>				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<b>Properly Supported</b>				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Drainage</b> (i.e. pocketed, missing tailpipe):															
<b>Discharge Piped to</b> (i.e. flare line, pop tank, FKO, atmosphere):												Atmosphere			
<b>PSV General Condition/Comments:</b>				PSV is located on vessel shell and is in the vertical plane. PSV verified set at or below the MAWP of vessel. PSV does not require calibration as per API 510 and a 5-year service interval has been given. PSV nameplate complete, legible, and secure. Seal wires intact and secure, valve well supported with no body damage noted. Service report has not been reviewed. No valves in the critical path. No internal inspection of the valve was completed. PSV condition satisfactory and is considered fit for continued service under present conditions. PSV capacity verified and deemed adequate											
<b>External Inspection</b>															
<b>External Inspection</b>	<b>Good</b>	<b>Fair*</b>	<b>Poor*</b>	<b>N/A</b>	<b>External Inspection</b>	<b>Good</b>	<b>Fair*</b>	<b>Poor*</b>	<b>N/A</b>						
Skid Foundation/Supports	X				Ladder(s)/Platforms				X						
Insulation/Cladding				X	Gauges	X									
Vessel Nameplate	X				Valves	X									
Vessel Saddle/Skirt/Supports/Bolts	X				Piping	X									
Vessel Paint/Coating	X				Flanges/Bolting (per Code)	X									
Vessel Shell	X				Piping Support	X									
Vessel Head	X				Catadyne Heaters (zip ties)	X									
Nozzles	X				Surface Staining of Ground	X									
Pig Traps (ie evidence of hammering)	X				Signage (i.e. stand alone)	X									
<b>Regulators Vented</b>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<b>Vessel/Skid Grounded</b>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								

\* Fair and Poor selections require comments

## Comments: External:

The vessel is located inside a building. The nameplate is legible and secure. The vessel is identified by an A-number and a serial number stamped on the nameplate. The heads, shell, nozzles, and bolting appear in good condition. There




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is no damage or distortion evident. There appears to be no stress to piping or to nozzle connections. The vessel is supported by a full skirt and is welded to skid. The skid is mounted on pilings and there is minimal risk of shifting. The vessel is fully painted, and the paint has not deteriorated. There is no external corrosion or pitting. The vessel does not have structural attachments. There is evidence of proper grounding of the equipment and electrical connections. The vessel is considered fit for continued service under present conditions.

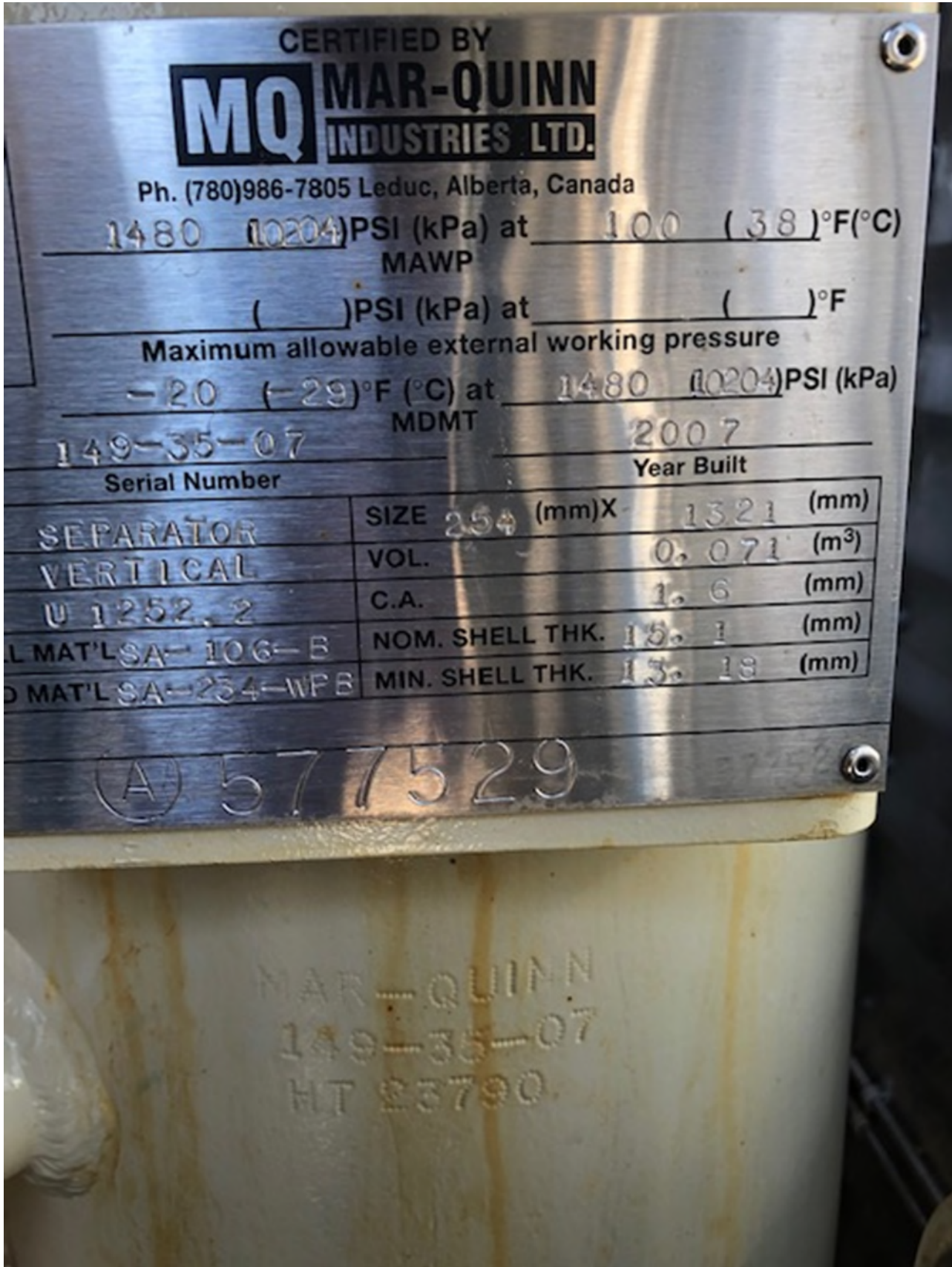
**Piping:**

The associated piping appears in generally good condition. There is no damage or distortion on piping. The piping is supported adequately by clamps. The primary piping is mainly welded and flanged, and the secondary piping is mainly threaded. The piping is fully painted and the paint is in good condition. There is no external corrosion or pitting on piping.

<input checked="" type="checkbox"/> In Service <input type="checkbox"/> Idle <input type="checkbox"/> Blinded/Disconnected	Signature 	Date <b>Dec 20, 2018</b>
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## PHOTOS

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