

INSPECTION REPORT



Pressure Vessel Survey			
Location:	Point Tupper	EM&I J Report No.:	PT-D2105B-090523-JL-R0
Client Name:		Client Ref No.:	PT-11573618-001-D2105B
Client Rep.:		Inspector Name:	John Lee
WO No.:		Inspection Date:	May 23, 2009
SPO No.:		System:	Butane
Workscope No.:	PT-2008-VESSEL-EXT-04	EM&I J Job No:	EMJ0132.33
Tag No.:	D-2105B	Equipment Description:	Butane Storage Vessel D-2105B
Date of Last Inspection:	NA	Previous Records Seen:	NA
Drawing No.:	LA-B23-F-22-8060-01-Z4, 98-CA-399735-1C-5, 98-CA-399735-4C-0		

Inspection Summary					
Item	Condition				Comments
External Ladders, Access and Support Structure	Good	Fair	Poor	NA	
1. If applicable, check ladders, stairways, platforms and walkways that are connected to, or bearing on the vessel for signs of corrosion, missing components, or deterioration.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	General condition of ladders, stairways, platforms and walkways in good condition. North and South ladder and walkway structure sways violently at bolted connection to vessels (see Video "North Access Structure Walkway", see Photo #2,3). Pipe supports generally in good condition, however 2 isolated cases of missing nuts on one pipe support (see Photos #6,7)
2. If applicable, check vessel supports for signs of deterioration, settlement, deflection, and/or corrosion.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coating breakdown with no substrate loss of vessel support base to concrete (see Photos #4,5,11)
3. If applicable, check coatings for signs of deterioration, rusts spots, cracks, blistering, and/or coating disbondment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No notable coating breakdown or deterioration (see Photos #2,3)
4. a) For horizontally mounted vessels, check for signs of trapped moisture, resulting in corrosion between cradle support and vessel shell.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No trapped moisture noted
b) For vertically mounted vessels on skirt support or support legs, check for condensation, resulting in corrosion on the bottom cap/ inside skirt support surface or area of attachment of the support legs to the bottom cap.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Check the grounding connection is correctly installed, with cable connections tight and ground wires in good condition.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grounded connection intact and in good condition (see Photo #18)
6. Check all bolted connections for any signs of corrosion or mechanical damage.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bolting connections in good condition and have no signs of corrosion or mechanical damage (see Photos #2,4,8,9,10, 11, 12)
7. If applicable, check the vessel sliding foot free to move and hold-down bolts are free.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	North end structural support bolts are correctly positioned with expansion-purpose gap

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Inspection Summary					
Item	Condition				Comments
					between bolt and vessel (see Photos #4,5). South end structural support bolts are lacking in thread protrusion up to 20mm (see Photos #8,9,10,12,13,14)
Vessel External Surfaces	Good	Fair	Poor	NA	
1. Check permanent identifying tags on vessel are legible and present the required information.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tags in good condition at time of inspection (see Photo #16)
2. If applicable, check that all bolts/studs extend fully through their nuts, having a protrusion beyond the nut of not less than one thread; flange bolts have bolt heads all on the side of the joint.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	General condition of studs and nuts good, however North end structural support bolts are correctly positioned with expansion-purpose gap between bolt and vessel (see Photos #4,5). South end structural support bolts are lacking in thread protrusion up to 20mm (see Photos #8,9,10,12,13,14, 17, 19-25)
3. If applicable, check bolted connections are in full contact with connected elements and connections for any signs of rust, corrosion or mechanical damage.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All bolted connections are in full contact and there is no sign of rust, corrosion or mechanical damage (see Photos #12,13,14,17,19-25)
4. If applicable, check insulation support bands and clips for signs of corrosion or breakage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Check all welded seams and connections for any signs of deterioration, corrosion, cracking, pitting or other sign of failure. Specify.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All welded seams and connections in good condition
6) If applicable, check insulation type, condition for any insulation damage and ingress of water. Record insulation type.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Carry out visual inspection of the exterior surface of the vessel, including coatings for any signs of leaks, cracks, deformation, distortion, pitting, corrosion or other forms of deterioration. If so, specify type, location and extent.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vessel surface in generally good condition with minor coating breakdown and no notable substrate loss (see Photos #26,27,28, 29)
8. If applicable, check weep holes in reinforcement plates are not plugged.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
External Piping / Instrument Attachments	Good	Fair	Poor	NA	
1. If applicable, check vessel trim, such as gauges, sight glasses, valves and other appurtenances, show signs of deterioration, or missing components, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Thermometer in good condition - CS to SS flange to note (see Photo #17)
2. If applicable, check if the PSV on the vessel is in calibration. Record tag number of PSV and calibration date.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PSV in fair condition, no tags present (see Photo #31)
3. Inspect fittings, nozzles and other connections, including the surrounding vessel shell / head for any signs of distortion or cracks, wall loss, leakage, deterioration of coatings, etc. Specify extent and location.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All nozzles in fair condition with coating breakdown and delamination but no notable substrate loss (see Photos #19-25)

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Inspection Summary					
Item	Condition				Comments
Vessel Internal Surfaces	Good	Fair	Poor	NA	External Only
1. Check for signs of corrosion, erosion, cracks, blisters, pitting, distortion, or other forms of deterioration on the internal vessel surfaces. If any, specify type, location and extent.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Check all welded joints for any signs of deterioration, corrosion, cracking, pitting or other sign of failure. Specify.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Check all man-ways, nozzles and connections for distortion, cracks, corrosion, wall loss and other type of defects or failures. If any defects are noted, specify type, extent and location.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. If applicable, compare the results of performed wall thickness survey with previous reports for areas of wall thickness loss. Identify areas on inspection report.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Where applicable, check vessel internal cladding for signs of bulging, buckling, cracks, holes, etc. If any, specify type, location and extent.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Where applicable, check the vessel internal coating for signs of deterioration, such as: rust spots, blisters, coating disbandment, etc. If any, specify type, location and extent.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. If possible, check gasket seals on all flanges for signs of corrosion and/or mechanical damage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Internal Equipment/Piping /Supports	Good	Fair	Poor	NA	
1. Where applicable, check supports for vessel's internal equipment and components for signs of corrosion, distortion and deterioration.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. If applicable, check vessel's internals for signs of corrosion, distortion and deterioration, missing components etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. If applicable, check if bolted connections are in full contact with connected elements and connections are free from rust or other deleterious material that may prohibit full contact.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings

North end structural support bolts are correctly positioned with expansion-purpose gap between bolt and vessel (this was confirmed with Operators and Authorities). However South end structural support bolts are lacking in thread protrusion up to 20mm and Operators and Authorities informed for further investigation by themselves.

Please see "North Access Structure Walkway" - Video

ID Tag:

Certified By: Patterson Industries Limited

MAWP: 185 & -9PSIG @ 149F

MDMT: -16.6F @ 185 & -9PSIG

Serial No.: 98CA9735C2

Year Built: 1998

CRN: 9095.8

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Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings



Photo 1 – Standoff view of North head



Photo 2 – Structure access ladder, in good condition. However, sways violently with slightest encouragement

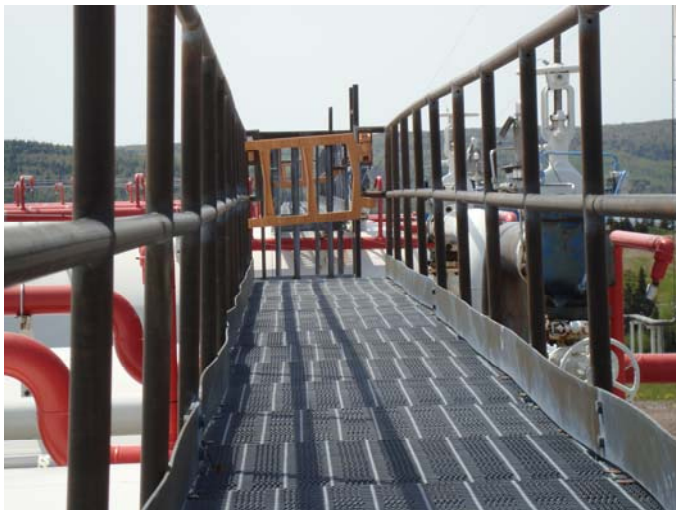


Photo 3 – Structure access ladder, in good condition. However, sways violently with slightest encouragement



Photo 4 –General condition of studs and nuts, good condition. North end structural support bolts are correctly positioned with expansion-purpose gap between bolt and vessel. South end structural support bolts are lacking in thread protrusion up to 20mm

Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings



Photo 5 – General condition of studs and nuts, good condition. North end structural support bolts are correctly positioned with expansion-purpose gap between bolt and vessel. South end structural support bolts are lacking in thread protrusion up to 20mm



Photo 6 – Pipe support missing nuts



Photo 7 – Pipe support missing nuts



Photo 8 –General condition of studs and nuts, good condition. North end structural support bolts are correctly positioned with expansion-purpose gap between bolt and vessel. South end structural support bolts are lacking in thread protrusion up to 20mm

Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings



Photo 9 – General condition of studs and nuts, good condition. North end structural support bolts are correctly positioned with expansion-purpose gap between bolt and vessel. South end structural support bolts are lacking in thread protrusion up to 20mm



Photo 10 – General condition of studs and nuts, good condition. North end structural support bolts are correctly positioned with expansion-purpose gap between bolt and vessel. South end structural support bolts are lacking in thread protrusion up to 20mm



Photo 11 – Delamination/debonding of structural support flange to base



Photo 12 – General condition of studs and nuts, good condition. North end structural support bolts are correctly positioned with expansion-purpose gap between bolt and vessel. South end structural support bolts are lacking in thread protrusion up to 20mm

Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings



Photo 13 – General condition of studs and nuts, good condition. North end structural support bolts are correctly positioned with expansion-purpose gap between bolt and vessel. South end structural support bolts are lacking in thread protrusion up to 20mm



Photo 14 – General condition of studs and nuts, good condition. North end structural support bolts are correctly positioned with expansion-purpose gap between bolt and vessel. South end structural support bolts are lacking in thread protrusion up to 20mm



Photo 15 – Concrete support structure, signs of cracking



Photo 16 – ID tag in good condition

Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings



Photo 17 – Thermometer in good condition, CS to SS flange



Photo 18 – Grounding cable intact and in good condition



Photo 19 – Flange in fair condition with 100% coating breakdown, no notable substrate loss



Photo 20 – Flange in fair condition with delamination of coating, no notable substrate loss

Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings



Photo 21 – Flange in fair condition with 100% coating breakdown, no notable substrate loss



Photo 22 – Flange in fair condition with 80-90% coating breakdown, no notable substrate loss



Photo 23 – Flange in fair condition with partial coating breakdown & delamination, no notable substrate loss



Photo 24 – Flange in fair condition with coating breakdown & delamination, no notable substrate loss

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Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings



Photo 25 – Flange in fair condition with 100% coating breakdown, no notable substrate loss



Photo 26 – Isolated areas of coating breakdown on shell, no notable substrate loss, ASTM grade 5-S



Photo 27 – Isolated areas of coating breakdown on shell, no notable substrate loss, grade 6S-7S



Photo 28 – Isolated areas of coating breakdown on shell, no notable substrate loss, grade 6S-7S

Detail of Findings

Instructions: With the aid of Drawing(s), Sketch(es) and Photo(s) describe findings



Photo 29 – Isolated areas of coating breakdown on shell, no notable substrate loss, grade 6-S



Photo 30 – Flange in fair condition with 100% coating breakdown, no notable substrate loss



Photo 31 – PSV in fair condition with no tag ID present

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List of Attachments

Attachment 1: PT-D2105B-090314-VR-UT (Page 1 to 2)
Attachment 2: PT-D2105B-090523-MR-UT (Page 1 to 5)
Attachment 3: 98-CA-399735-1C-5

End of Report

INSPECTION REPORT



Ultrasonic Inspection Survey for Vessel Inspection

Location:	Point Tupper	EM&I J Report No.:	PT-D2105B-090314-VR-UT
Client Name:	Exxon Mobil Sable	Client Ref No.:	PT-11573618-001-D2105B
Client Rep.:	Dale Groves	Inspector Name:	Victor Ritchie
WO No.:	11573618	Inspection Date:	March 14, 2009
SPO No.:	4501869140	Inspection Time:	Various
Workscope No.:	PT-2008-VESSEL-EXT-04	System:	Butane
Previous Report No.	NA	EM&I J Job No:	EMJ0132.33
Ref. Drawing No.:	LA-B23-F-22-8060-01-Z4, 98-CA-399735-1C-5, 98-CA-399735-4C-0		
Technician Certifications:	PCN UT 2	Certification Expiry Date:	January 29, 2014
Inspection Code:	NA	Inspection Procedure:	EM&I
Item Inspected:	D2105B	Material (Incl. Vol.):	CS
Surface Condition:	As coated	Surface Temp:	Ambient
Instrument	Type: Epoch LTC	Equipment S/N: 090100701	Cal Due Date: January 24, 2010
Instrument Settings	Reference Level: 80fsh	Gain: 50db	Reject Settings: NA
Search Unit Cables	Type:	Length: 5'	Transfer Value:
Calibration Block:	Step wedge 2.5-12.5mm	Calibration Block S/N:	CB2
Simulation Block:	NA	Couplant:	Ultragel
Computerized Program:	NA		
Transducer Mfg:	Type:	Model No.:	Angle:
Panametrics	dual element	D790SM	0

Inspection Summary

Restricted Access?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Comments:
<p>Comments:</p> <p>UT measurements were taken using side wall echo technique and readings were recorded. This does not constitute a UT survey. See below for locations and readings. All readings are in millimeters.</p>			

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Inspection Summary

Item Identification	Test Point	Diameter (inches)	Nominal Wall Thickness (mm)	Minimum Wall Thickness (mm)	Average Wall Thickness (mm)
Shell Bottom	TP1	132"	20.6	22.0	N/A
Shell Bottom	TP2	132"	20.6	22.0	N/A
Shell Bottom	TP3	132"	20.6	21.9	N/A
Shell Bottom	TP4	132"	20.6	21.5	N/A
Shell Bottom	TP5	132"	20.6	21.7	N/A
Shell Bottom	TP6	132"	20.6	22.0	N/A
Shell Bottom	TP7	132"	20.6	22.0	N/A
Shell Bottom	TP8	132"	20.6	22.0	N/A
Shell Bottom	TP9	132"	20.6	21.7	N/A
Shell Bottom	TP10	132"	20.6	21.9	N/A
Shell Bottom	TP11	132"	20.6	21.5	N/A
Shell Bottom	TP12	132"	20.6	21.8	N/A
Shell Bottom	TP13	132"	20.6	21.8	N/A
Shell Bottom	TP14	132"	20.6	21.9	N/A
Shell Bottom	TP15	132"	20.6	22.3	N/A
Shell Bottom	TP16	132"	20.6	22.0	N/A
Shell Bottom	TP17	132"	20.6	21.9	N/A
Shell Bottom	TP18	132"	20.6	21.8	N/A
Shell Bottom	TP19	132"	20.6	21.6	N/A
Shell Bottom	TP20	132"	20.6	21.6	N/A
Shell Bottom	TP21	132"	20.6	21.4	N/A
Shell Bottom	TP22	132"	20.6	21.8	N/A
Shell Bottom	TP23	132"	20.6	21.6	N/A
Shell Bottom	TP24	132"	20.6	22.1	N/A
Shell Bottom	TP25	132"	20.6	21.7	N/A
Shell Bottom	TP26	132"	20.6	21.6	N/A
Shell Bottom	TP27	132"	20.6	21.7	N/A
Shell Bottom	TP28	132"	20.6	22.0	N/A
Shell Bottom	TP28	132"	20.6	21.8	N/A
Shell Bottom	TP29	132"	20.6	22.0	N/A
Shell Bottom	TP30	132"	20.6	21.3	N/A
Shell Bottom	TP32	132"	20.6	22.0	N/A
Shell Bottom	TP33	132"	20.6	21.7	N/A
Shell Bottom	TP34	132"	20.6	21.7	N/A
Shell Bottom	TP35	132"	20.6	22.0	N/A
Shell Bottom	TP36	132"	20.6	21.3	N/A

End of Report

INSPECTION REPORT



Ultrasonic Inspection Survey for Vessel Inspection

Location:	Point Tupper	EM&I J Report No.:	PT-D2105B-090523-MR-UT
Client Name:	Exxon Mobil Sable	Client Ref No.:	PT-11573618-001-D2105B
Client Rep.:	Dale Groves	Inspector Name:	Michael Rotondella
WO No.:	11573618	Inspection Date:	May 23, 2009
SPO No.:	4501869140	Inspection Time:	Various
Workscope No.:	PT-2008-VESSEL-EXT-04	System:	Butane
Previous Report No.	NA	EM&I J Job No:	EMJ0132.33
Ref. Drawing No.:	LA-B23-F-22-8060-01-Z4, 98-CA-399735-1C-5, 98-CA-399735-4C-0		
Technician Certifications:	PCN UT 2	Certification Expiry Date:	October 24, 2010
Inspection Code:	NA	Inspection Procedure:	EM&I
Item Inspected:	D2105B	Material (Incl. Vol.):	C/S
Surface Condition:	As coated	Surface Temp:	Ambient
Instrument	Type: Epoch LTC	Equipment S/N: 090108403	Cal Due Date: March 11, 2010
Instrument Settings	Reference Level: 80fsh	Gain: 60db	Reject Settings: NA
Search Unit Cables	Type:	Length: 5'	Transfer Value:
Calibration Block:	Step wedge 2.5-12.5mm	Calibration Block S/N:	09-1652
Simulation Block:	NA	Couplant:	Ultragel II
Computerized Program:	NA		
Transducer Mfg:	Type:	Model No.:	Angle:
Panametrics	Dual Element	D790SM	0

Inspection Summary

Restricted Access?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Comments: Rope Access Required
<p>Comments:</p> <p>UT spot readings were taken and the readings were recorded. See below and Attachment 3 for locations and readings. All readings are in millimeters.</p> <p>Readings on the North head were taken facing South, and the readings for the South head were taken facing North.</p>			

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Inspection Summary

Item Identification	Test Point	Diameter (inches)	Nominal Wall Thickness (mm)	Minimum Wall Thickness (mm)	Average Wall Thickness (mm)
D2105B Bottom Shell	Plate 1	132"	20.6	20.60	N/A
D2105B Bottom Shell	Plate 2	132"	20.6	20.80	N/A
D2105B Bottom Shell	Plate 3	132"	20.6	20.60	N/A
D2105B Bottom Shell	Plate 4	132"	20.6	20.90	N/A
D2105B Bottom Shell	Plate 5	132"	20.6	20.60	N/A
D2105B Bottom Shell	Plate 6	132"	20.6	20.60	N/A
D2105B Bottom Shell	Plate 7	132"	20.6	20.60	N/A
D2105B Bottom Shell	Plate 8	132"	20.6	20.70	N/A
D2105B Bottom Shell	Plate 9	132"	20.6	20.80	N/A
D2105B Bottom Shell	Plate 10	132"	20.6	20.60	N/A
D2105B Bottom Shell	Plate 11	132"	20.6	20.60	N/A
D2105B Bottom Shell	Plate 12	132"	20.6	20.80	N/A
D2105B Top Shell	Plate 1	132"	20.6	20.80	N/A
D2105B Top Shell	Plate 2	132"	20.6	21.00	N/A
D2105B Top Shell	Plate 3	132"	20.6	20.90	N/A
D2105B Top Shell	Plate 4	132"	20.6	20.80	N/A
D2105B Top Shell	Plate 5	132"	20.6	20.90	N/A
D2105B Top Shell	Plate 6	132"	20.6	20.80	N/A
D2105B Top Shell	Plate 7	132"	20.6	20.70	N/A
D2105B Top Shell	Plate 8	132"	20.6	20.70	N/A
D2105B Top Shell	Plate 9	132"	20.6	20.80	N/A
D2105B Top Shell	Plate 10	132"	20.6	20.80	N/A
D2105B Top Shell	Plate 11	132"	20.6	20.80	N/A
D2105B Top Shell	Plate 12	132"	20.6	20.90	N/A
D2105B North Head	12 o'clock	132"	19.8	21.80	N/A
D2105B North Head	3 o'clock	132"	19.8	21.30	N/A
D2105B North Head	6 o'clock	132"	19.8	21.60	N/A
D2105B North Head	9 o'clock	132"	19.8	21.40	N/A
D2105B North Head	Centre	132"	19.8	21.60	N/A
D2105B South Head	12 o'clock	132"	19.8	22.00	N/A
D2105B South Head	3 o'clock	132"	19.8	21.60	N/A
D2105B South Head	6 o'clock	132"	19.8	21.80	N/A
D2105B South Head	9 o'clock	132"	19.8	21.50	N/A
D2105B South Head	Centre	132"	19.8	22.00	N/A

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Inspection Summary

Item Identification	Test Point	Diameter (inches)	Nominal Wall Thickness (mm)	Minimum Wall Thickness (mm)	Average Wall Thickness (mm)
D2105B East Shell	Plate 1	132"	20.6	20.90	N/A
D2105B East Shell	Plate 2	132"	20.6	20.90	N/A
D2105B East Shell	Plate 3	132"	20.6	20.70	N/A
D2105B East Shell	Plate 4	132"	20.6	20.70	N/A
D2105B East Shell	Plate 5	132"	20.6	20.90	N/A
D2105B East Shell	Plate 6	132"	20.6	20.90	N/A
D2105B East Shell	Plate 7	132"	20.6	20.80	N/A
D2105B East Shell	Plate 8	132"	20.6	20.80	N/A
D2105B East Shell	Plate 9	132"	20.6	20.90	N/A
D2105B East Shell	Plate 10	132"	20.6	20.80	N/A
D2105B East Shell	Plate 11	132"	20.6	20.70	N/A
D2105B East Shell	Plate 12	132"	20.6	20.70	N/A
D2105B West Shell	Plate 1	132"	20.6	20.70	N/A
D2105B West Shell	Plate 2	132"	20.6	20.90	N/A
D2105B West Shell	Plate 3	132"	20.6	21.00	N/A
D2105B West Shell	Plate 4	132"	20.6	20.90	N/A
D2105B West Shell	Plate 5	132"	20.6	20.80	N/A
D2105B West Shell	Plate 6	132"	20.6	20.70	N/A
D2105B West Shell	Plate 7	132"	20.6	20.90	N/A
D2105B West Shell	Plate 8	132"	20.6	20.90	N/A
D2105B West Shell	Plate 9	132"	20.6	21.00	N/A
D2105B West Shell	Plate 10	132"	20.6	21.00	N/A
D2105B West Shell	Plate 11	132"	20.6	20.80	N/A
D2105B West Shell	Plate 12	132"	20.6	21.00	N/A
D2105B N1	N	4"	33.15	34.70	N/A
D2105B N1	E	4"	33.15	34.10	N/A
D2105B N1	S	4"	33.15	34.00	N/A
D2105B N1	W	4'	33.15	34.10	N/A
D2105B N2	N	8"	22.22	24.00	N/A
D2105B N2	E	8"	22.22	24.00	N/A
D2105B N2	S	8"	22.22	24.00	N/A
D2105B N2	W	8"	22.22	24.00	N/A
D2105A N3A	N	3"	31.43	32.00	N/A
D2105B N3A	E	3"	31.43	32.10	N/A
D2105B N3A	S	3"	31.43	32.00	N/A
D2105B N3A	W	3"	31.43	32.10	N/A

INSPECTION REPORT

Inspection Summary

Item Identification	Test Point	Diameter (inches)	Nominal Wall Thickness (mm)	Minimum Wall Thickness (mm)	Average Wall Thickness (mm)
D2105B N3B	N	3"	31.43	32.80	N/A
D2105B N3B	E	3"	31.43	32.70	N/A
D2105B N3B	S	3"	31.43	32.80	N/A
D2105B N3B	W	3"	31.43	32.90	N/A
D2105B N4A	N	2"	16.67	17.40	N/A
D2105B N4A	E	2"	16.67	17.30	N/A
D2105B N4A	S	2"	16.67	17.50	N/A
D2105B N4A	W	2"	16.67	17.40	N/A
D2105B N4B	N	2"	16.67	17.30	N/A
D2105B N4B	E	2"	16.67	17.30	N/A
D2105B N4B	S	2"	16.67	17.20	N/A
D2105B N4B	W	2"	16.67	17.20	N/A
D2105B N5	N	3"	31.43	32.30	N/A
D2105B N5	E	3"	31.43	32.20	N/A
D2105B N5	S	3"	31.43	32.30	N/A
D2105B N5	W	3"	31.43	32.30	N/A
D2105B N6	N	2"	25.40	24.80	N/A
D2105B N6	E	2"	25.40	24.70	N/A
D2105B N6	S	2"	25.40	24.60	N/A
D2105B N6	W	2"	25.40	24.70	N/A
D2105B N7	N	4"	33.15	32.90	N/A
D2105B N7	E	4"	33.15	32.80	N/A
D2105B N7	S	4"	33.15	33.10	N/A
D2105B N7	W	4"	33.15	33.00	N/A
D2105B N8	N	6"	31.61	32.10	N/A
D2105B N8	E	6"	31.61	32.20	N/A
D2105B N8	S	6"	31.61	32.30	N/A
D2105B N8	W	6"	31.61	32.30	N/A
D2105B N9	N	2"	16.67	17.40	N/A
D2105B N9	E	2"	16.67	17.50	N/A
D2105B N9	S	2"	16.67	17.40	N/A
D2105B N9	W	2"	16.67	17.40	N/A
D2105B N10	N	3"	31.43	32.10	N/A
D2105B N10	E	3"	31.43	32.10	N/A
D2105B N10	S	3"	31.43	32.20	N/A
D2105B N10	W	3"	31.43	32.10	N/A

INSPECTION REPORT



Inspection Summary

Item Identification	Test Point	Diameter (inches)	Nominal Wall Thickness (mm)	Minimum Wall Thickness (mm)	Average Wall Thickness (mm)
D2105B M	N	24"	127.00	127.00	N/A
D2105B M	E	24"	127.00	128.00	N/A
D2105B M	S	24"	127.00	127.00	N/A
D2105B M	W	24"	127.00	127.00	N/A

End of Report

D2105 B

