

	API 570 Inspection on a 6" pipeline	
Project Name: Fuel line inspection (Sol to Gysbi)	Client Name.: Guyana Shore Base Inc. (GYSBI)	Equipment/Tag#: Fuel line – Sol to Gysbi
		Report N-r. : APGY/2026/API-01

API 570 Inspection on a 6" piping Fuel line (Sol to Gysbi)

DATE OF INSPECTION : 23 July 2026
LOCATION : Guyana Shore Base (Gysbi)
EQUIPMENT : Fuel line (Sol to Gysbi)
JOB NO : 5831



Report by:	Reviewed by:	Reviewed by:
Name: Pawel Kudasz	Name:	Name:
Position: API 570	Position:	Date:
Date: 28.07.2026	Date:	
Signature: 	Signature:	Signature:



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1. Scope of Work

Apave Guyana Inc. was requested to perform API 570 inspection on 6" piping from Sol to Gysbi.

The scope was to perform full visual inspection of the piping including Coating Inspection, UT thickness and Eddy Current on the welds.

2. Summary

Visual inspection, UT thickness measurement, and Eddy current inspection was performed on 6" fuel line from Sol to Gysbi.

Isolated coating anomalies were detected on the entire line.

Piping to be repaired according to company specifications.

Concrete spatter (presumably, from nearby concrete work) noted at the long section of the line, from the beginning to the line, line running parallel to the fence, until the T-piece (point no 105). See photos 8, 11-15, 19-20, with largest spatter, 150mm x 150mm and 10mm high, see photo 13. Removal of the spatter and FM required, as the surface underneath, may be subject to aggressive corrosion process.

Some anomalies, including thread engagement issues at the supports were noted, see page 6 of the report for more details. These needs to be addressed to provide appropriate support to the line.

UT thickness survey detected minor localized areas of internal corrosion spots at multiple locations of the piping. See detailed UT thickness report.

No major metal loss was noted, compared to the last year inspection. The minimum wall thickness obtained, was 5.3mm, with 7.11 nominal thickness and required minimum thickness of the line was calculated at 2.8mm.

Eddy Current inspection was performed on the representative sample of 30% welds, no surface and/or near-surface flaws were detected.

Remaining Life calculation was performed, based on the short-term corrosion rate and was calculated at 6 years.

Based on the API 570, next scheduled inspection due date, is October 2029, see page 28 for detailed calculations.

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3. API Checklist

Section 1 – Piping Information	
Piping Line Number: N/A	Plant ID Number: N/A
Person to Contact: Kevin Black	Address: Plantation "A", Houston District Georgetown.
Piping Description: Fuel line (Sol to Gysbi)	
Pressure/Vacuum Rating: 60psi	Location: Guyana Shore Base
Manufacturer: N/A	P&ID Number: N/A
Serial Number: N/A	Originated by: N/A
Ancillary Equipment: N/A	
Regulatory Requirements ☒ Survey ☒ API 570 External ☐ API 570 Internal ☐ Hydrostatic Test	

Section 2 – Safety Information
Special Safety Precautions: Wear proper PPE as per Gysbi requirements
Chemicals Handled: N/A

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Section 3 - PIPING INSPECTION CHECKLIST

System ID: N/A

Piping: Fuel line (Sol to Gysbi)

Inspector Name: Pawel Kudas

Date: 23.07.2026

Section 3.1 - Support and Foundation Inspection

Description	Condition – Check All That Apply				
Foundation	☒ Acceptable	☐ Cracking	☐ Spalling	☐ Settling	☐ N/A
Fireproofing	☐ Acceptable	☐ Cracking	☐ Spalling	☐ Pitting	☒ N/A
Brackets	☒ Acceptable	☐ Failing	☐ Corroded	☐ Loose	☐ N/A
Hangers	☐ Acceptable	☐ Failing	☐ Corroded	☐ Loose	☒ N/A
Anchors	☒ Acceptable	☐ Failing	☒ Corroded	☐ Loose (at wooden piles)	☐ N/A
Beams	☒ Acceptable	☐ Failing	☒ Corroded	☒ Distorted	☐ N/A
Dead Leg Support	☐ Acceptable	☐ Failing	☐ Corroded	☐ Distorted	☒ N/A
Clamps	☐ Acceptable	☐ Failing	☐ Corroded	☐ Worn	☒ N/A
Guides	☒ Acceptable	☐ Failing	☐ Corroded	☐ Worn	☐ N/A
Shoes	☒ Acceptable	☐ Failing	☐ Corroded	☐ Worn	☐ N/A
Hanger Adjustment	☐ Acceptable	☐ Requires Adjustment			☒ N/A
Shoes/Guides	☒ Acceptable	☐ Requires Repair/Replacement			☐ N/A

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Summary and Recommendations

Base support found corroded at the following supports: PS7, PS9 and PS19, fabric maintenance recommended

Coating breakdowns and surface corrosion noted at PS38, PS39, PS55, PS56, PS57, PS58, PS59 and PS60. Fabric maintenance recommended.

Insufficient thread engagement at the fasteners, at the base of the supports, PS55 and PS56 (photos 11&12), in addition, the air gap between the nut and the joint surface noted, at the base of the support PS56 (photo 12). Re-tightening required, replacement if not successful.

L-profile beam, at PS57 found bent (photo 14), no change in condition since last inspection. To be monitored.

U-bolt fastener not tightened, stuck in the position, possible thread damage, at PS59 (photo 17). Re-tightening required, U-bolt replacement needed, if repair not successful.

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Photos



Photo: 1
Comment: Pipe support PS3 – typical condition, generally good, of the supports (except for the supports reported below) on the line.



Photo: 2
Comment: Pipe support foundation, at PS7 found with surface corrosion at the foundation.



Photo: 3
Comment: Pipe support foundation, at PS9 found with surface corrosion at the foundation.



Photo: 4
Comment: Pipe support foundation, at PS19 found with corrosion at the foundation.



Photo: 5
Comment: Pipe support foundation, at PS19 found with corrosion at the foundation.



Photo: 6
Comment: Coating breakdown and surface corrosion at the U-beam at support PS38

	API 570 Inspection on a 6" pipeline	
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Photos



Photo: 7
Comment: Coating breakdown and surface corrosion at the U-beam at support PS39



Photo: 8
Comment: Standout view of the two supports -PS55 and PS56



Photo: 9
Comment: PS55 – Coating breakdown and surface corrosion on the beam support



Photo: 10
Comment: PS56 – Coating breakdown and surface corrosion on the beam support



Photo: 11
Comment: PS55 – Insufficient thread engagement at the fasteners, at the base of the support



Photo: 12
Comment: PS56 – Insufficient thread engagement and the air gap between the nut and the joint surface, at the base of the support

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Photos



Photo: 13
Comment: PS57 - Coating breakdown and surface corrosion on the beam support



Photo: 14
Comment: L-profile beam PS57 found with localized surface corrosion at inner side of beam and found bent, No change in condition since last inspection



Photo: 15
Comment: PS58 – Direct contact, “metal to metal”, between pipe and the guide, air gap of 12mm between the pipe and the support. Coating damage and surface corrosion noted on the guide support



Photo: 16
Comment: PS59 - Coating breakdown and surface corrosion on the support



Photo: 17
Comment: PS59 – U-bolt fastener not tightened, stuck in the position, possible thread damage



Photo: 18
Comment: PS60 - Coating breakdown and surface corrosion on the support

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Section 4 – Piping, Fittings, and Valve Inspection

Description	Condition – Check All That Apply				
Piping	☒ Acceptable	☐ Failing	☒ Corroded (localized in some areas)	☐ Leaking	☐ N/A
Flanges	☒ Acceptable	☐ Failing	☒ Corroded (localized in some areas)	☐ Leaking	☐ N/A
Elbows	☒ Acceptable	☐ Failing	☒ Corroded (localized in some areas)	☐ Leaking	☐ N/A
Tees	☒ Acceptable	☐ Failing	☒ Corroded (localized in some areas)	☐ Leaking	☐ N/A
Reducers	☒ Acceptable	☐ Failing	☐ Corroded (localized in some areas)	☐ Leaking	☐ N/A
Socket Welds	☒ Acceptable	☐ Failing	☐ Corroded	☐ Leaking	☐ N/A
Butt Welds	☒ Acceptable	☐ Failing	☐ Corroded	☐ Leaking	☐ N/A
Gaskets	☐ Acceptable	☐ Failing	☐ Corroded	☐ Leaking	☒ N/A
Valves	☒ Acceptable	☐ Failing	☐ Corroded	☐ Leaking	☐ N/A
Valve Packing	☒ Acceptable	☐ Failing	☐ Leaking		☐ N/A
Valve Levers	☒ Acceptable	☐ Broken	☐ Missing		☐ N/A
Screw Joints	☐ Acceptable	☐ Failing	☐ Corroded	☐ Leaking	☒ N/A
Gauges	☐ Acceptable	☐ Broken	☐ Not Calibrated		☒ N/A
Misc. Instrumentation	☐ Acceptable	☐ Broken	☐ Not Calibrated		☒ N/A
Sight Glasses	☐ Acceptable	☐ Broken	☐ Leaking		☒ N/A
Flow Indicators	☐ Acceptable	☐ Broken	☐ Leaking		☒ N/A

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Summary and Recommendations

UT thickness survey detected minor localized areas of internal corrosion spots at multiple locations of the piping. See detailed UT thickness report.

Some inconsistency in UT readings noted, against last year results, but that is expected due to the method of obtaining spot readings (at 4 cardinal points) rather than the scanning method.

Detected range of localized internal corrosion areas is from 5.30-6.00mm (Remaining wall thickness). There was no change in the reported minimum thickness, since the last report. The minimum Wall Thickness of 5.3mm was reported at elbow, at point no 9.

Long term corrosion rate, as per API 570, was calculated based on that reading (5.3mm), resulting in 0.26mm per year.

Short term corrosion rate, as per API 570, was calculated based on most representable sample, at position no 31, and it was calculated at 0.39 mm per year.

ASME B31.3 and API 570 Remaining Life calculation was performed, based on the short-term corrosion rate and was calculated at 6 years.

Based on the API 570, next scheduled inspection due date is October 2029.

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Section 5 – Coating and Insulation Inspection

Description	Condition – Check All That Apply				
Paint	☐ Acceptable	☒ Acceptable with comments	☐ Unsatisfactory	☐ N/A	
Coating Failure	☒ Acceptable with comments	☒ Failing	☐ Peeling	☒ Blistering	☐ N/A
Color Coded	☐ Yes	☐ No			☒ N/A
Insulation	☐ Acceptable	☐ Failing	☐ Saturated	☐ Missing	☒ N/A
Weather Jacket	☐ Acceptable	☐ Failing	☐ Corroded	☐ Missing	☒ N/A
C.U.I.	☐ None	☐ Slight	☐ Moderate	☐ Severe	☒ N/A
Coating Under Ins.	☐ Acceptable	☐ Failing	☐ Peeling	☐ Blistering	☒ N/A
Valve & Flange Covers	☐ Acceptable	☐ Failing	☐ Saturated	☐ Missing	☒ N/A
Asbestos Labeled	☐ Yes	☐ No			☒ N/A
Heat Tracing	☐ Yes	☐ No			☒ N/A
Type	☐ Electric	☐ Steam			☒ N/A
Condition	☐ Acceptable	☐ Unsatisfactory			☒ N/A
Steam Trap Condition	☐ Acceptable	☐ Failing	☐ Corroded	☐ Leaking	☒ N/A

250-550 Microns

(Data from previous inspection, report APGY/002/API-02)

Type of Coating:

N/A

Dry Film Thickness:

Type of Insulation:

N/A

Insulation Thickness:

N/A

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Summary and Recommendations

Isolated, minor coating damage areas were noted along the entire line. Touch-up is required to prevent further degradation. See photos below for exact locations.

Concrete spatter (presumably, from nearby concrete work) noted at the long section of the line, from the beginning to the line, line running parallel to the fence, until the T-piece (point no 105). See photos 8, 11-15, 19-20, with largest spatter, 150mm x 150mm and 10mm high, see photo 13. Removal of the spatter and FM required, as the surface underneath, may be subject to aggressive corrosion process.

Some algae deposits, present at 6 o'clock location along the entire line, see photo 5. Removal/ cleaning required to preserve the coating.

Minor crevice corrosion noted on the valves, installed on the line, see photos 27-30. Coating repair would be required during next turn-over.

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Photos



Photo: 1
Comment: View of the start of the Fuel Diesel line (Sol to Gysbi)



Photo:2
Comment: Elbow component, location 5 on iso, found with localized corrosion



Photo:3
Comment: Elbow component, location 8 on iso, found with localized corrosion



Photo:4
Comment: Faded stickers (due to UV) at the beginning of the line



Photo:5
Comment: Algae present at the 6 o'clock location, typical to the entire line.



Photo:6
Comment: Topcoat damage to the section of the line, upstream of Pipe support PS1.

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Photos



Photo: 7
Comment: Localized, minor, mechanical coating damage located at 12 o'clock, between pipe supports PS6 and PS7.



Photo: 8
Comment: Isolated concrete spatter noted at the line, location: between pipe supports PS6 and PS7



Photo: 9
Comment: Topcoat damage to the section of the line, location: between pipe supports PS9 and PS10



Photo: 10
Comment: Localized corrosion spot (Dia 30mm), surface corrosion at 12 o'clock, location: between pipe supports PS10 and PS11



Photo: 11
Comment: Isolated concrete spatter noted at the line, location: between pipe supports PS10 and PS11



Photo: 12
Comment: Localized concrete spatter located downstream and upstream of pipe support PS11.

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Photos

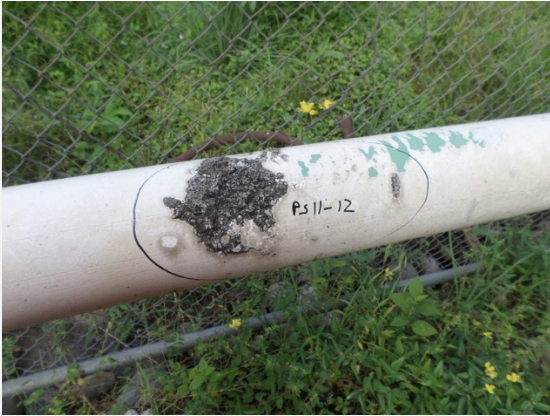


Photo: 13
Comment: Isolated, large (150mm x 150mm) and 10mm thick, concrete spatter noted at the line, location: between pipe supports P11 and PS12



Photo: 14
Comment: Localized concrete spatter located downstream and upstream of pipe support PS12.



Photo: 15
Comment: Isolated concrete spatter noted at the line, location: between pipe supports PS12 and PS13



Photo: 16
Comment: Isolated coating damage and surface corroded spots, at elbow, location no 68



Photo: 17
Comment: Isolated concrete spatter noted at the line, location: downstream of pipe supports PS23



Photo: 18
Comment: General view of the line, between Pipe supports: PS23 and PS37

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Photos



Photo: 19
Comment: Isolated concrete spatter noted at the line, location: between pipe supports PS26 and PS27



Photo: 20
Comment: Isolated concrete spatter noted at the line, location: between pipe supports PS26 and PS27



Photo: 21
Comment: Coating damage and concrete spatter noted at the line, location: between pipe supports PS28 and PS29



Photo: 22
Comment: Isolated, minor concrete spatter noted at the long span of the line, location: between pipe supports PS29 and PS32



Photo: 23
Comment: Localized corrosion spot (30mm long), surface corrosion at 12 o'clock, location: between pipe supports PS32 and PS33



Photo: 24
Comment: Isolated minor coating breakdowns on the line, location: between pipe supports PS35 and PS36

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Photos



Photo: 25
Comment: Localized corrosion spot (Dia 65mm), surface corrosion at 12 o'clock, location: T-piece, at location 105

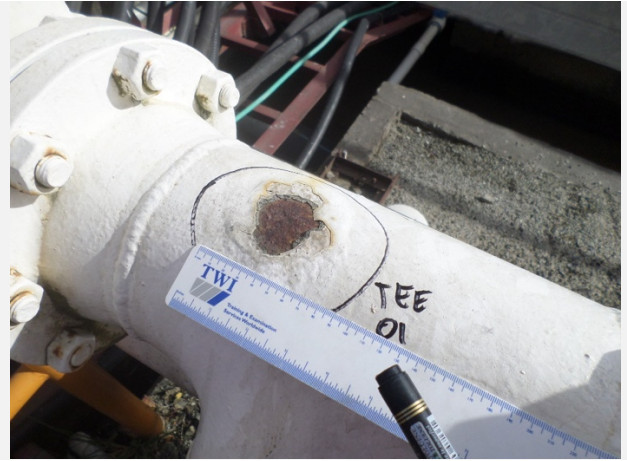


Photo: 26
Comment: Localized corrosion spot (Dia 65mm), surface corrosion at 12 o'clock, location: T-piece, at location 105



Photo: 27
Comment: General view of the Gate Valve, corrosion noted at the body and the flange fasteners. Valve upstream of T-Piece.



Photo: 28
Comment: Close-up photo - Surface corrosion noted on the flange fasteners. Valve upstream of T-Piece.



Photo: 29
Comment: Close-up photo Crevice corrosion noted on the bonnet to body, flanged joint. Valve upstream of T-Piece.



Photo: 30
Comment: Crevice corrosion noted on the bonnet to body, flanged joint. Valve downstream of T-Piece.

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Photos



Photo: 31
Comment: Isolated minor coating breakdowns on the line, location: around pipe support PS40



Photo: 32
Comment: Isolated minor coating breakdowns on the line, location: around pipe support PS40



Photo: 33
Comment: General view of the line, between Pipe supports: PS45 and PS50



Photo: 34
Comment: General view of the line, between Pipe supports: PS52 and PS54



Photo: 35
Comment: Staining, from the metal fencing, noted at the location no 176. No damage to coating noted yet.



Photo: 36
Comment: Direct contact, "metal to metal", between pipe and the guide, at Pipe support PS58

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Photos



Photo: 37

Comment: Isolated, minor coating breakdowns spots, at 12 o'clock, location, upstream of pipe support PS60



Photo: 38

Comment: General view of the termination of the line.

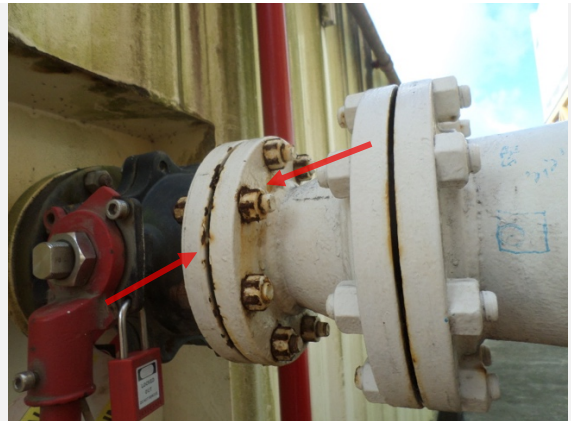


Photo: 39

Comment: Surface corrosion to the flange fasteners at the line termination flange. Minor crevice corrosion noted on the flange-to-flange interface.

Comment: Intentionally left blank

Comment: Intentionally left blank

Comment: Intentionally left blank

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Section 6 – Associated Electrical / Continuity Inspection

Was an associated electrical / continuity inspection necessary?

☐ Yes

☐ No

☒ N/A

If the electrical continuity inspection was done, please list any comments and inspection findings.

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Was an Internal Inspection performed? ☐ Yes ☒ No

Section 7 – Internal Inspection

Description	Condition – Check All That Apply				
Access	☐ Entry	☐ Flange	☐ Mirror	☐ Borescope	☒ N/A
Internal Corrosion	☐ None	☐ Slight	☐ Moderate	☐ Severe	☒ N/A
Type of Corrosion	☐ Localized	☐ General	☐ Vapor Space / Liquid Level		☒ N/A
Coating or Linings	☐ Yes		☐ No		
Condition	☐ Acceptable	☐ Failing	☐ Peeling	☐ Missing	☒ N/A
Blockage	☐ None	☐ Slight	☐ Moderate	☐ Severe	☒ N/A
Cleanliness	☐ Acceptable		☐ Unsatisfactory		☒ N/A
Welds	☐ Acceptable	☐ Failing	☐ Corroded	☐ Attacked	☒ N/A
Heat Affected Zones	☐ Acceptable	☐ Failing	☐ Corroded	☐ Attacked	☒ N/A

Summary and Recommendations

Please list all internal piping inspection findings, the associated severity, general comments, and any recommendations.

N/A

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Section 8 - Piping Inspection Summary

Please record any additional information below:

It is suggested to perform follow up UT inspection on detected low readings (Below 6mm) to control the thickness and develop corrosion rate for future remaining life estimation.

Perform touch up painting on selected locations

Corrosion Rate & Remaining Life Assessment: ☒ Attached Separately ☒ See Below

Design Pressure: 60 psi

Temperature:

Ambient

Minimum Wall Thickness Based on: ☒ Structural

☐ Pressure

Minimum Required Wall Thickness: 2.8 mm

Minimum Recorded Wall Thickness: 5.30mm

Date: 23.07.2026

Original Wall Thickness: 7.11 mm

Previous Inspection Min. Wall Thickness: 5.20mm

Date: 28.04.2025

The calculated remaining life for this piping is 6 years.

The next required inspection is in 3years.

Note: Suggested to be done every year due to no previous corrosion rates.

Per the standards delineated in API-570, this piping:

- ☒ Is suitable for continued service.
- ☐ Requires further evaluation.
- ☒ Requires minor repairs.
- ☐ Requires major repairs or alterations.

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Follow up action required

☐ Plant Maintenance

Fabric maintenance and inspection

☐ Plant engineering

N/A

☐ Failure analysis

N/A

Person responsible for follow-up

Kevin Black

APAVE Inspector:

Pawel Kudas

Date:

24.07.2026

Qualification:

API-570

	API 570 Inspection on a 6" pipeline	
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4. ASME B31.3 Calculation

Straight Pipes (ASME B31.3-2016 para. 304.1)

Client:	Gysbi	Date:	02.03.2024
Project Name (No.):	Outlet Diesel line	Revision:	0
Element Type & Location:	Piping	Calculated by:	Dancho Bozhinovski
Design Conditions			
Design Temperature	T =	100	°C
Design Pressure	P =	0,42	MPa
Material			
A 106 Gr. B / Pipes and Tubes /			
Metals / Nominal Composition			
Carbon Steel / C-Si			
Yield Strength	R _p =	241,3	MPa
Tensile Strength	R _m =	413,6	MPa
Minimum Impact Test Metal Temperature	min. Temp =	Curve B	°C
Basic Allowable Stress at Metal Temperature	S =	137,8	MPa
Component Geometry			
Outside Diameter	D =	168,3	mm
Nominal / Measured Thickness	t _{nom} =	7,11	mm
Basic Quality Factor	E =	0,8	[-]
Values of Coefficient Y (valid for t < D/6 from Table 304.1.1)	Y =	0,4	[-]
Weld Joint Strength Reduction Factor	W =	1	[-]
Condition (P/SE ≤ 0,385)	Valid		
Tolerances			
Corrosion / Erosion Allowance	c =	1,6	mm
Manufacturer's Thickness Tolerance	Mill =	12,5	%
Evaluation of the Results			
Minimum Wall Thickness	T = t _{nom} - Mill =	6,22	mm
Pressure Design Thickness	t = PD / [2(SEW + PY)] =	0,31	mm
Minimum Required Thickness	t _m = t + c =	1,91	mm
Condition (t < D/6)	Valid		
Condition (T ≥ t _m)	Valid		
Maximum Allowable Internal Pressure	P _m =	6,1	MPa

	API 570 Inspection on a 6" pipeline	
Project Name: Fuel line inspection (Sol to Gysbi)	Client Name.: Guyana Shore Base Inc. (GYSBI)	Equipment/Tag#: Fuel line – Sol to Gysbi
		Report N-r. : APGY/2026/API-01

Bends (Elbows) (ASME B31.3 para. 304.2.1)

Client:	Gysbi	Date:	28.02.2024
Project Name (No.):	Inlet Diesel Line	Revision:	0
Element Type & Location:	Piping	Calculated by:	Dancho Bozhinovski
Design Conditions			
Design Temperature	T =	100	°C
Design Pressure	P =	0,42	MPa
Material			
		A 106 Gr. B / Pipes and Tubes /	
Metals / Nominal Composition		Carbon Steel / C-Si	
Yield Strength	R _p =	241,3	MPa
Tensile Strength	R _m =	413,6	MPa
Minimum Impact Test Metal Temperature	min. Temp =	Curve B	°C
Basic Allowable Stress at Metal Temperature	S =	137,8	MPa
Component Geometry			
Outside Diameter	D =	168,28	mm
Nominal / Measured Thickness (Intrados)	t _{nom,int} =	7,11	mm
Nominal / Measured Thickness (Extrados)	t _{nom,ext} =	7,11	mm
Radius	R ₁ =	228,6	mm
Basic Quality Factor	E =	0,8	[-]
Values of Coefficient Y (valid for t < D/6 from Table 304.1.1)	Y =	0,4	[-]
Weld Joint Strength Reduction Factor	W =	1	[-]
Condition (P/SE ≤ 0,385)	Valid		
Tolerances			
Corrosion / Erosion Allowance	c =	1,6	mm
Manufacturer's Thickness Tolerance	Mill =	12,5	%
Evaluation of the Results			
• INTRADOS	$I_{int} = [4(R_1 / D) - 1] / [4(R_1 / D) - 2] =$	1,29	[-]
Minimum Wall Thickness	$T_{int} = t_{nom,int} - \text{Mill} =$	6,22	mm
Pressure Design Thickness	$t_{int} = PD / [2(SEW/I_{int} + PY)] =$	0,41	mm
Minimum Required Thickness	$t_{m,int} = t_{int} + c =$	2,01	mm
Condition (T _{int} ≥ t _{m,int})	Valid		
• EXTRADOS	$I_{ext} = [4(R_1 / D) + 1] / [4(R_1 / D) + 2] =$	0,86	[-]
Minimum Wall Thickness	$T_{ext} = t_{nom,ext} - \text{Mill} =$	6,22	mm
Pressure Design Thickness	$t_{ext} = PD / [2(SEW/I_{ext} + PY)] =$	0,27	mm
Minimum Required Thickness	$t_{m,ext} = t_{ext} + c =$	1,87	mm
Condition (T _{ext} ≥ t _{m,ext})	Valid		
Maximum Allowable Internal Pressure	P _m =	4,7	MPa

	API 570 Inspection on a 6" pipeline	
Project Name: Fuel line inspection (Sol to Gysbi)	Client Name.: Guyana Shore Base Inc. (GYSBI)	Equipment/Tag#: Fuel line – Sol to Gysbi
		Report N-r. : APGY/2026/API-01

5. API 574 Minimum Structural thickness

Table 5—Minimum Structural Thickness and Minimum Alert Thicknesses for Carbon and Low-alloy Steel Pipe

NPS	Default Minimum Structural Thickness for Temperatures < 400 °F (205 °C) in. (mm)	Minimum Alert Thickness for Temperatures < 400 °F (205 °C) in. (mm)
1/2 to 1	0.07 (1.8)	0.08 (2.0)
1 1/2	0.07 (1.8)	0.09 (2.3)
2	0.07 (1.8)	0.10 (2.5)
3	0.08 (2.0)	0.11 (2.8)
4	0.09 (2.3)	0.12 (3.1)
6 to 18	0.11 (2.8)	0.13 (3.3)
20 to 24	0.12 (3.1)	0.14 (3.6)

	API 570 Inspection on a 6" pipeline	
Project Name: Fuel line inspection (Sol to Gysbi)	Client Name.: Guyana Shore Base Inc. (GYSBI)	Equipment/Tag#: Fuel line – Sol to Gysbi
		Report N-r. : APGY/2026/API-01

6. Remaining life calculation

Corrosion Rate and Remaining Life Calculations

Plant ID	GYSBI		
Equipment Number:	N/A		
Equipment Name:	Fuel line (Sol to Gysbi)		
Equipment Type:	Piping		
Date:	July 24, 2026		

Corrosion Rate Determination			
The long-term (LT) corrosion rate shall be calculated from the following formula:			
$\text{Corrosion rate (LT)} = \frac{t_{\text{initial}} - t_{\text{actual}}}{\text{time between } t_{\text{initial}} \text{ and } t_{\text{actual}} \text{ (years)}}$			
The short-term (ST) corrosion rate shall be calculated from the following formula:			
$\text{Corrosion rate (ST)} = \frac{t_{\text{previous}} - t_{\text{actual}}}{\text{time between } t_{\text{previous}} \text{ and } t_{\text{actual}} \text{ (years)}}$			
Corrosion Rate (LT)		Corrosion Rate (ST)	
date	t_{initial}	date	t_{previous}
	7,11		7,19
date	t_{actual}	date	t_{actual}
	5,30		6,8
interval (years)		interval (years)	
7,00		1,000	
Corrosion rate mm/yr:		Corrosion rate mm/yr:	
0,26		0,39	

Remaining Life Calculation			
The remaining life of the vessel (in years) shall be calculated from the following formula:			
$\text{Remaining life} = \frac{t_{\text{actual}} - t_{\text{required}}}{\text{corrosion rate (ST)}}$			
Remaining Life		1/2 Remaining Life	
t_{actual}	5,30	Remaining life (years)	6,410
t_{required}	2,80 From API 574, Table 7	Years:	3
corrosion rate	0,390		
Years:	6		

The period between internal or on-stream inspections and thickness measurement inspections shall not exceed one-half the remaining life of the piping or 10 years, whichever is less.

Next inspection due date: October 5, 2029

	API 570 Inspection on a 6" pipeline	
Project Name: Fuel line inspection (Sol to Gysbi)	Client Name.: Guyana Shore Base Inc. (GYSBI)	Equipment/Tag#: Fuel line – Sol to Gysbi
		Report N-r. : APGY/2026/API-01

7.2 UT thickness report



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PROJECT DATA

Client:	GYSBI	Client's Specification(s)	
Project:	Fuel line (Sol to Gysbi)	Procedure number:	T.P.AI.WI.UT.0001 – V1
Location:	Sol to Gysbi	Procedure standard(s):	B31.3
Aims contract number:		Acceptance standard(s):	B31.3
Request Number:		Client specific identifier:	

INSPECTION DATA

DWG/ISO/Line/Item No.	Fuel line (Sol to Gysbi)	Parent material:	Carbon Steel
Product form:	Pipe	Filler material:	N/A
Dimension	6"	Surface condition:	Smooth; Painted
Thickness:	7.11mm	Heat treatment:	N/A
Welding joint type:	Buttweld	Surface temperature [°C]:	Ambient
Welding process:	N/A		

EQUIPMENT INFO

Equipment brand:	Olympus	Serial number:	260039904
Model name:	Epoch 6LT	Calibration due date:	27/04/2027

CONSUMABLES

Couplant Type:	Gel	Couplant brand:	Sonagel D1
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SEARCH UNITS AND SETTINGS

Scanning sensitivity:	Brand:	Model:	Serial number:	Probe type:	Wave type:	Crystals number:	Element shape and size	Freq [MHz]	Nominal Angle [°]	Cal. Angle [°]	Range:	Ref. Level [dB]:	Transfer Corr. [dB]:
	Phoenix	TC	25027	Dual	Longitudinal		10mm	5	90	90	30	47.5	

Notes:

TYPE OF CALIBRATION

Type of calibration	Type of block	Block ID. Or S/N:	Reflector(s) type and size	Cable brand:	Cable type:
Distance	20mm- 2mm Step wedge	63263		Dual lemo	Coax.
Sensitivity				Cable length:	1m

EVALUATION AND RECORDING LEVELS

Evaluation level:		Recording level:	
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RESULTS

Thickness location	THK at 0 O'clock [mm]	THK at 3 O'clock [mm]	THK at 6 O'clock [mm]	THK at 9 O'clock [mm]	Photo/Sketch/ISO reference or remark:
1	6.1	6.6	6.8	6.5	Isometric drawing
2	6.1	6.5	6.2	6.9	Isometric drawing
3	6.1	6.8	6.6	6.6	Isometric drawing
4	6.1	6.6	6.2	6.8	Isometric drawing
5	6.3	6.7	6.4	6.7	Isometric drawing
6	6.5	6.0	6.0	6.0	Isometric drawing
7	5.8	6.5	6.0	6.5	Isometric drawing
8	5.4	6.5	6.1	6.5	Isometric drawing
9	5.3	7.3	7.2	7.6	Isometric drawing



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10	7.6	7.8	7.3	7.2	Isometric drawing
11	7.1	7.3	7.5	7.2	Isometric drawing
12	7.2	7.3	6.9	7.3	Isometric drawing
13	6.9	7.1	7.3	6.9	Isometric drawing
14	7.4	7.4	6.9	7.1	Isometric drawing
15	7.2	7.0	7.5	7.3	Isometric drawing
16	7.3	6.9	6.9	7.0	Isometric drawing
17	6.8	7.0	7.2	7.0	Isometric drawing
18	6.6	6.5	7.2	7.1	Isometric drawing
19	6.8	6.9	7.0	6.8	Isometric drawing
20	7.0	6.8	6.7	6.9	Isometric drawing
21	7.0	7.4	7.5	7.3	Isometric drawing
22	6.8	7.0	7.0	6.9	Isometric drawing
23	7.2	7.0	6.9	7.0	Isometric drawing
24	6.6	6.9	7.0	6.8	Isometric drawing
25	7.3	7.2	7.3	6.8	Isometric drawing
26	7.2	7.2	7.1	7.2	Isometric drawing
27	7.6	7.4	7.3	7.2	Isometric drawing
28	7.4	7.6	7.1	7.2	Isometric drawing
29	7.0	7.1	7.2	7.3	Isometric drawing
30	6.8	7.1	7.0	6.8	Isometric drawing
31	7.0	6.9	7.4	7.3	Isometric drawing
32	6.9	7.2	7.1	7.2	Isometric drawing
33	7.3	7.3	7.2	7.1	Isometric drawing
34	7.4	7.5	7.3	7.1	Isometric drawing
35	7.5	7.3	7.4	7.2	Isometric drawing
36	7.4	7.2	7.2	7.3	Isometric drawing
37	7.0	6.9	7.0	7.0	Isometric drawing
38	7.4	7.2	6.8	6.7	Isometric drawing
39	6.9	7.0	6.8	6.8	Isometric drawing
40	6.9	6.8	7.0	7.0	Isometric drawing
41	7.0	6.8	7.1	7.0	Isometric drawing
42	7.1	6.7	7.2	7.3	Isometric drawing
43	6.9	7.1	7.2	7.0	Isometric drawing
44	6.8	6.6	7.1	7.0	Isometric drawing
45	6.8	6.7	6.9	7.0	Isometric drawing
46	6.9	7.0	6.4	6.8	Isometric drawing
47	7.0	6.5	7.1	6.4	Isometric drawing
48	6.9	6.9	7.0	7.2	Isometric drawing
49	7.1	7.1	7.0	6.8	Isometric drawing



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50	7.2	7.0	7.1	7.4	Isometric drawing
51	6.9	7.0	7.2	6.8	Isometric drawing
52	6.9	6.8	7.0	7.0	Isometric drawing
53	7.0	6.8	6.7	7.1	Isometric drawing
54	6.9	6.8	7.0	7.1	Isometric drawing
55	6.9	6.9	7.0	6.9	Isometric drawing
56	7.0	6.9	6.9	6.8	Isometric drawing
57	7.1	7.2	7.0	6.7	Isometric drawing
58	7.0	7.0	7.0	6.9	Isometric drawing
59	7.0	6.9	6.9	7.0	Isometric drawing
60	7.1	7.1	7.0	7.1	Isometric drawing
61	7.2	7.0	7.0	7.2	Isometric drawing
62	7.5	7.1	7.2	7.0	Isometric drawing
63	6.7	6.8	7.1	7.0	Isometric drawing
64	6.9	7.0	7.2	6.9	Isometric drawing
65	6.7	6.8	6.9	6.8	Isometric drawing
66	6.9	7.2	6.9	6.6	Isometric drawing
67	6.6	7.0	6.8	6.9	Isometric drawing
68	7.0	6.9	7.2	7.2	Isometric drawing
69	6.8	7.0	7.1	6.9	Isometric drawing
70	7.0	7.0	7.1	7.0	Isometric drawing
71	6.9	7.1	7.0	7.1	Isometric drawing
72	6.8	6.9	7.1	6.7	Isometric drawing
73	6.9	6.8	6.5	7.0	Isometric drawing
74	6.9	7.0	7.0	7.1	Isometric drawing
75	7.0	7.1	7.2	7.2	Isometric drawing
76	6.9	6.7	7.0	6.9	Isometric drawing
77	7.2	7.0	6.9	7.1	Isometric drawing
78	7.7	7.2	7.1	7.1	Isometric drawing
79	7.2	6.9	6.7	6.9	Isometric drawing
80	7.0	7.0	7.0	6.9	Isometric drawing
81	7.2	7.3	7.1	7.5	Isometric drawing
82	6.5	6.9	6.7	6.9	Isometric drawing
83	6.9	6.8	6.7	7.0	Isometric drawing
84	6.9	7.1	6.9	7.1	Isometric drawing
85	6.9	7.0	6.6	6.9	Isometric drawing
86	7.0	7.0	6.8	6.7	Isometric drawing
87	7.0	6.9	7.0	7.0	Isometric drawing
88	7.4	7.3	7.5	7.2	Isometric drawing
89	7.3	7.2	7.2	7.6	Isometric drawing



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90	7.2	7.1	7.1	7.0	Isometric drawing
91	6.9	7.1	6.9	7.0	Isometric drawing
92	6.9	7.1	7.1	6.8	Isometric drawing
93	7.2	7.0	6.7	7.2	Isometric drawing
94	6.7	6.8	7.0	6.8	Isometric drawing
95	6.7	6.9	7.1	6.9	Isometric drawing
96	6.8	6.8	7.1	7.2	Isometric drawing
97	7.1	7.0	7.2	7.2	Isometric drawing
98	7.0	7.3	7.0	6.8	Isometric drawing
99	7.0	7.0	6.8	7.2	Isometric drawing
100	6.8	7.0	7.0	7.1	Isometric drawing
101	7.1	6.7	6.9	6.8	Isometric drawing
102	7.0	7.3	6.9	7.4	Isometric drawing
103	7.2	6.8	7.1	7.0	Isometric drawing
104	7.9	7.8	8.7	8.4	Isometric drawing
105	7.2	7.0	8.0	7.2	Isometric drawing
106	7.3	7.3	8.0	7.6	Isometric drawing
107	7.5	7.5	7.4	7.6	Isometric drawing
108	7.6	7.3	7.3	7.3	Isometric drawing
109	7.2	7.3	7.1	7.3	Isometric drawing
110	7.1	7.1	7.1	7.1	Isometric drawing
111	7.2	7.1	6.9	7.0	Isometric drawing
112	7.0	7.2	6.9	7.0	Isometric drawing
113	7.3	7.0	6.8	7.1	Isometric drawing
114	6.9	7.0	7.3	7.0	Isometric drawing
115	6.4	7.1	6.5	6.9	Isometric drawing
116	7.3	7.0	7.6	7.5	Isometric drawing
117	7.0	6.9	7.7	7.6	Isometric drawing
118	7.5	6.9	7.4	7.6	Isometric drawing
119	6.8	6.8	6.8	6.6	Isometric drawing
120	7.0	7.0	6.8	6.9	Isometric drawing
121	7.0	7.1	7.0	7.1	Isometric drawing
122	7.2	6.7	7.4	7.5	Isometric drawing
123	7.2	7.4	7.4	6.6	Isometric drawing
124	7.2	7.5	7.1	6.6	Isometric drawing
125	7.3	6.8	7.0	7.2	Isometric drawing
126	7.1	7.1	6.8	6.9	Isometric drawing
127	6.9	7.1	7.0	6.9	Isometric drawing
128	7.8	7.0	7.3	7.3	Isometric drawing
129	7.9	6.9	7.2	7.4	Isometric drawing



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130	7.8	6.9	7.1	7.4	Isometric drawing
131	7.3	7.2	7.0	6.8	Isometric drawing
132	7.2	7.2	7.2	7.1	Isometric drawing
133	7.1	7.2	7.3	7.4	Isometric drawing
134	7.5	7.2	7.5	7.1	Isometric drawing
135	7.2	7.2	7.6	7.0	Isometric drawing
136	7.2	7.1	7.5	7.4	Isometric drawing
137	6.8	6.7	6.8	6.9	Isometric drawing
138	6.9	7.0	7.0	7.1	Isometric drawing
139	7.0	7.2	7.0	6.9	Isometric drawing
140	7.0	6.8	7.1	7.3	Isometric drawing
141	7.1	7.2	7.1	7.1	Isometric drawing
142	7.5	7.6	7.5	7.5	Isometric drawing
143	7.3	7.1	7.2	7.1	Isometric drawing
144	7.2	7.2	7.2	7.0	Isometric drawing
145	7.2	7.2	7.1	7.5	Isometric drawing
146	6.9	6.9	7.1	7.0	Isometric drawing
147	7.0	6.9	7.3	6.9	Isometric drawing
148	7.0	7.0	7.2	6.8	Isometric drawing
149	7.0	6.8	6.3	7.0	Isometric drawing
150	7.0	6.8	6.3	6.8	Isometric drawing
151	7.0	6.9	6.8	7.2	Isometric drawing
152	6.8	6.7	7.1	7.2	Isometric drawing
153	6.7	6.9	6.7	7.3	Isometric drawing
154	7.1	6.8	6.6	7.2	Isometric drawing
155	7.4	7.2	7.1	7.6	Isometric drawing
156	7.1	6.9	7.1	7.3	Isometric drawing
157	6.9	7.2	7.3	6.9	Isometric drawing
158	7.0	7.1	7.3	6.5	Isometric drawing
159	7.0	7.2	7.3	6.1	Isometric drawing
160	6.8	6.8	6.9	6.6	Isometric drawing
161	6.6	6.3	6.7	7.0	Isometric drawing
162	6.7	6.2	6.5	6.8	Isometric drawing
163	7.2	6.7	6.6	6.4	Isometric drawing
164	6.8	7.4	7.3	7.4	Isometric drawing
165	6.9	7.2	7.2	7.0	Isometric drawing
166	6.9	7.0	6.8	7.0	Isometric drawing
167	7.2	7.6	7.0	7.0	Isometric drawing
168	7.0	7.2	7.3	7.1	Isometric drawing
169	6.7	7.0	7.3	7.2	Isometric drawing



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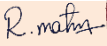
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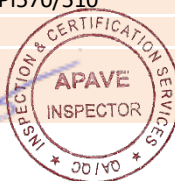
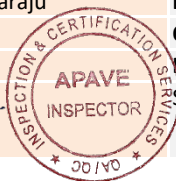
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170	6.8	7.1	6.8	7.6	Isometric drawing
171	7.3	7.1	6.9	7.4	Isometric drawing
172	7.3	7.0	6.7	6.9	Isometric drawing
173	7.4	7.0	7.3	6.5	Isometric drawing
174	7.0	7.5	7.1	7.0	Isometric drawing
175	7.2	7.6	7.4	7.3	Isometric drawing
176	7.2	7.3	7.3	7.2	Isometric drawing
177	7.2	7.1	7.2	7.0	Isometric drawing
178	7.3	7.2	6.9	6.9	Isometric drawing
179	7.1	7.2	7.1	7.3	Isometric drawing
180	7.2	7.4	7.0	7.2	Isometric drawing
181	6.8	6.9	7.0	8.0	Isometric drawing
182	7.4	7.4	7.6	7.3	Isometric drawing
183	7.5	7.5	7.4	7.4	Isometric drawing
184	7.2	7.4	7.3	7.4	Isometric drawing
185	6.5	6.8	6.1	6.8	Isometric drawing
186	6.7	6.9	6.1	7.0	Isometric drawing
187	6.7	6.9	6.3	7.1	Isometric drawing
188	6.6	6.7	7.1	7.1	Isometric drawing
189	7.1	7.1	7.0	7.0	Isometric drawing
190	7.1	7.1	6.9	7.2	Isometric drawing
191	6.8	6.9	6.3	6.7	Isometric drawing
192	6.2	6.6	6.2	6.8	Isometric drawing
193	6.6	6.4	6.1	6.4	Isometric drawing
194	6.9	6.3	7.0	6.0	Isometric drawing
195	6.3	6.2	7.1	6.0	Isometric drawing
196	6.4	6.5	6.9	5.6	Isometric drawing

Notes:

SIGNATURES

NDT TECHNICIAN		APPROVED BY		ACCEPTED BY	
Name:	Mathavan Rengaraju	Name:	Pawel Kudas	Name:	
Qualification:	SNT-TC-1A	Qualification:	UT PCN L2 / API570/510	Qualification:	
Date:	22/07/2026	Date:	24/07/2026	Date:	
Signature:		Signature:		Signature:	



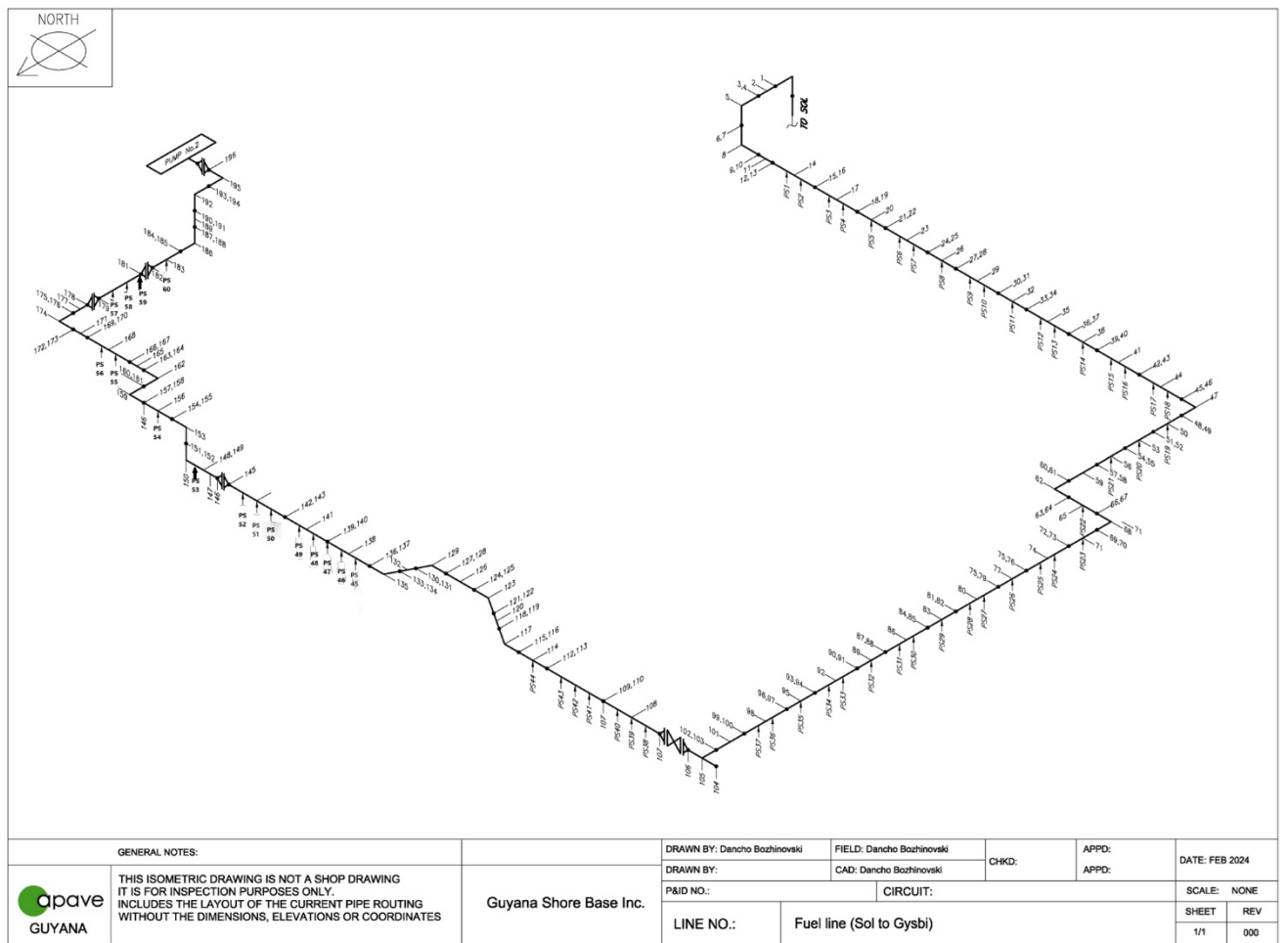


Ultrasonic testing report

Apave Guyana Inc.
78 Hadfield Street Werk-en-Rust, Georgetown, Guyana
683 6739
Email: apave.gy@apave.com/ Web: www.apave.com

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Drawing / Sketch / ISO



Comment: Isometric Diagram rev.2

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7.3 Eddy current report

PROJECT DATA											
Client:	GYSBI			Client's Specification(s)							
Project:	Fuel Line (Sol to Gysbi)			Procedure number:			T.P.AI.WI.ET.0004 – V1				
Location:	Sol to Gysbi			Procedure standard(s):			ASME V				
Aims contract number:				Acceptance standard(s):			B31.3				
Request Number:				Client specific identifier:							

INSPECTION DATA											
DWG/ISO/Line/Item No.	Fuel Line (Sol to Gysbi)			Parent material:			Carbon Steel				
Product form:	Pipe			Filler material:			N/A				
Dimension	6"			Surface condition:			Smooth; Painted				
Thickness:	7.11mm			Heat treatment:			N/A				
Welding joint type:	Buttweld			Surface temperature [°C]:			Ambient				
Welding process:	N/A										

EQUIPMENT INFO											
Equipment brand:	GE			Serial number:			801HFPQ				
Model name:	PHASEC 3			Calibration due date:			19/10/2026				

PROBES AND SETTINGS											
Probe type:	Brand:	Model:		Serial number:	Mode:	Comment:					
SE	GE	632-265-009 60KHZ- 700KHZ		15G008TZ	AB						
Notes:											
Probe types: SE – External probe, SI - Internal probe, BE - Encircling probe Mode: AB – Absolute, DI - Differential or double differential											

REFERENCE BLOCKS											
Type of block	Reference	Grade		Diameter		Length		Width		Thickness	
Block	406163	Fe				100mm		25mm		5mm	
Type of block: Tube, Bar, Block, Other (please specify)											

REFERENCE DEFECTS											
Notch ☒	Longitudinal ☐ Transverse ☒		Length: 25mm		Width: 0.2mm		Depth: 0.5; 1.0; 2.0 mm				
Circular notch ☐	External ☐ Internal ☐		Width: N/A		Depth: N/A						
Hole ☐	Diameter: Ø ____ mm		Diameter: Ø ____ mm		Number of generatrix: N/A		Orientation: 90°				

CONTROL PARAMETERS											
Channel No.	Frequency:	Preamplifier	Main amplifier	Spread Y:	Threshold 1:	Threshold 1:	Phase:	High pass filter [Hz]	Low pass filter [Hz]		
1	100 kHz	49 dB	57 dB	0 dB	50 %		213 °	DC Hz	300 Hz		

RESULTS											
Numbering	Weld ID / Identification	Welding joint type:	Test section:	Length of section:	Sequence No. Used:	Indication type:	Dist. From ref. line:	Dist. from weld ref. line:	Indication length:	Results:	Photo/Sketch/ISO reference or remark:
1	P9-P10	BW	Weld and HAZ			/	/	/	/	Accept	
2	P12-P13	BW	Weld and HAZ			/	/	/	/	Accept	
3	P21-P22	BW	Weld and HAZ			/	/	/	/	Accept	
4	P27-P28	BW	Weld and HAZ			/	/	/	/	Accept	
5	P36-P37	BW	Weld and HAZ			/	/	/	/	Accept	
6	P45-P46	BW	Weld and HAZ			/	/	/	/	Accept	
7	P54-P55	BW	Weld and HAZ			/	/	/	/	Accept	

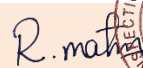
Eddy Current testing report

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8	P63-P64	BW	Weld and HAZ			/	/	/	/	Accept	
9	P66-P67	BW	Weld and HAZ			/	/	/	/	Accept	
10	P72-P73	BW	Weld and HAZ			/	/	/	/	Accept	
11	P84-P85	BW	Weld and HAZ			/	/	/	/	Accept	
12	P96-P97	BW	Weld and HAZ			/	/	/	/	Accept	
13	P102-P103	BW	Weld and HAZ			/	/	/	/	Accept	
14	P112-P113	BW	Weld and HAZ			/	/	/	/	Accept	
15	P124-P125	BW	Weld and HAZ			/	/	/	/	Accept	
16	P130-P131	BW	Weld and HAZ			/	/	/	/	Accept	
17	P142-P143	BW	Weld and HAZ			/	/	/	/	Accept	
18	P154-P155	BW	Weld and HAZ			/	/	/	/	Accept	
19	P160-P161	BW	Weld and HAZ			/	/	/	/	Accept	
20	P172-P173	BW	Weld and HAZ			/	/	/	/	Accept	
21	P184-P185	BW	Weld and HAZ			/	/	/	/	Accept	
22	P193-P194	BW	Weld and HAZ			/	/	/	/	Accept	

Notes: Eddy Current was conducted on 30% of welds of the 6" Fuel Line (Sol to Gysbi). At the time of inspection all inspected welds are acceptable according to B31.3.

SIGNATURES

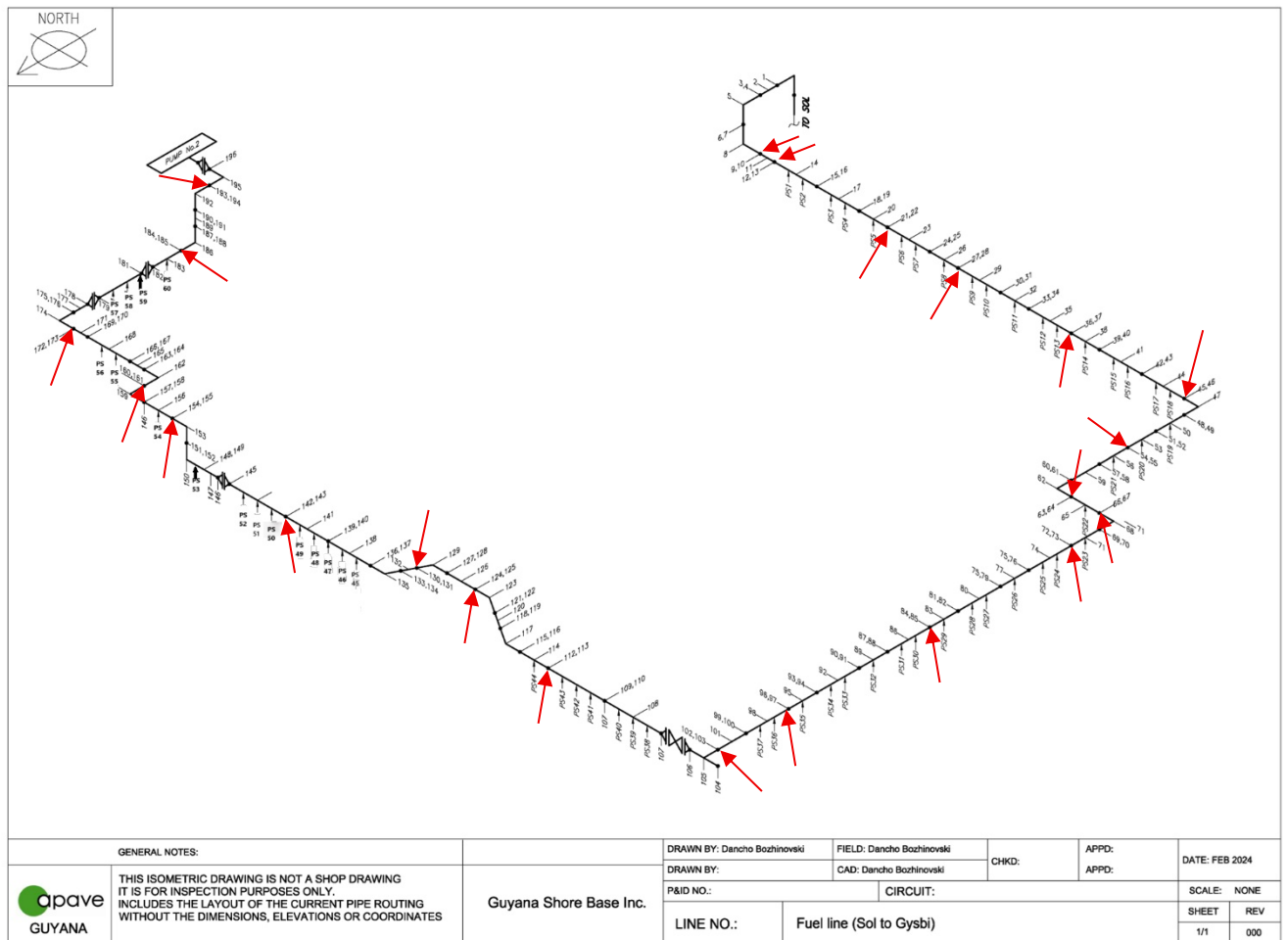
NDT TECHNICIAN		APPROVED BY		ACCEPTED BY	
Name:	Mathavan Rengaraju	Name:	Pawel Kudas	Name:	
Qualification:	ET Level 2	Qualification:	API 570	Qualification:	
Date:	27.07.2026	Date:	28.07.2026	Date:	
Signature:		Signature:		Signature:	



Eddy Current testing report

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Comment: Isometric Drawings