



Inspection Service

This Service Presented To

HILONG

Inspection Service:

UT Wall Thickness Measurements (UTM)

Customer:

Hilong Oil Services & Engineering. Co. Ltd. Iraq Branch

Work Location:

HILONG BASE / ABERDEEN

Inspection Date:

12 – November – 2025

Next Inspection Date:

11 – November – 2026

Inspector Name:

Tayyab Abbasi





Inspection Summary Report

Report No:	ATS-10-25-5155-27	Job No:	ATS-10-25-5155
Customer:	Hilong Oil Services & Engineering	Examination date:	12–November–2025
Location:	HILONG Base / Aberdeen Yard	Next Due date:	11–November–2026



Equipment Details:		
Name of the Examined Equipment:	Test Pump Assembly:	
Summary of Procedures:		
Description of Step	Status	Remark
Visually Check For Any Damage Wear Distortionetc.	✓	Pass
Check Markings & Serial Number:	✓	Pass
Check The Ultrasonic Thickness Measuring Equipment before work:	✓	Pass
The Device Was Tested by The Test Block:	✓	Pass
Comparison Of Actual Reading with Minimum Thickness:	✓	Pass
UTM Interpretation against ASTM E797 Acceptance Criteria:	✓	Pass
ASNT Level II Inspector Name:	Signature & Stamp	
Tayyab Abbasi		





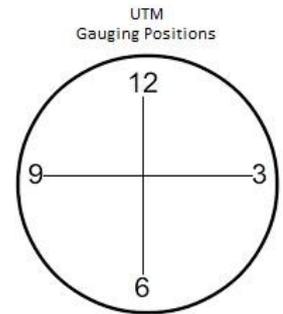
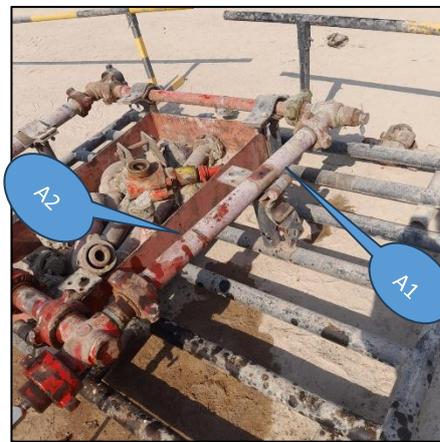
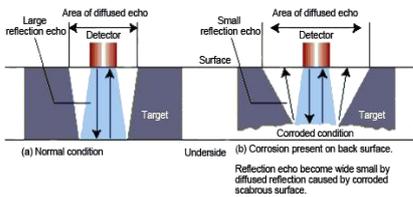
ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering	Location: Hilong Base / Aberdeen Yard	Inspection Date: 13-November-2025	
Certificate No: ATS-10-25-5155-27-1	Work order & Job No#: ATS-10-25-5155	Inspection Due Date: 12-November-2026	
Item Description: STRAIGHT JOINT 2" 1502 THREAD X WING			
Serial No#: CP037			
Relative Standards/Specifications: ASTM E 797 & Client Specifications		Material: Carbon Steel	
Surface Condition: Brushed and Cleaned		Surface Temperature: 22 C°	
Measuring Equipment			
UTM Instrument - Maker: Sona Test	Model: Sonagage IV	S. No.: 05058473	Calibration Date: 05-June-2025
			Calibration Due Date: 04-Dec-2025
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594	Calibration Date: 05-June-2025
			Calibration Due Date: 04-Dec-2025

Sketch or picture (direct on this page or attached □)



- 1: 12 O'clock position
- 2: 3 O'clock position
- 3: 6 O'clock position
- 4: 9 O'clock position

UTM Results

Position	Nominal Wall Thickness	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	Nil	8.0	13.45	13.56	13.58	13.72	-
A2		8.0	14.15	14.13	13.82	13.75	-

Result:

1- UTM WAS CARRIED OUT ON THE ITEM AS MENTIONED EARLIER AND ALL ACTUAL WALL THICKNESS READINGS SHOULD BE REVISED ACCORDING TO CLIENT SPECIFICATIONS / OEM DOCUMENTS AT THE TIME OF INSPECTION:

Inspector Name:	Tayyab Abbasi	Reviewed by:	Hasan Omran	Signature & Stamp
Qualification:	ASNT Level II	Date:	13-Nov-2025	
Signature:		Signature:		





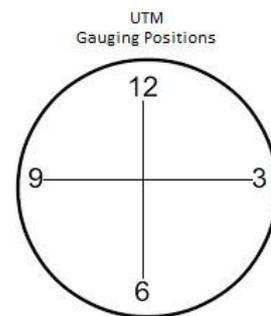
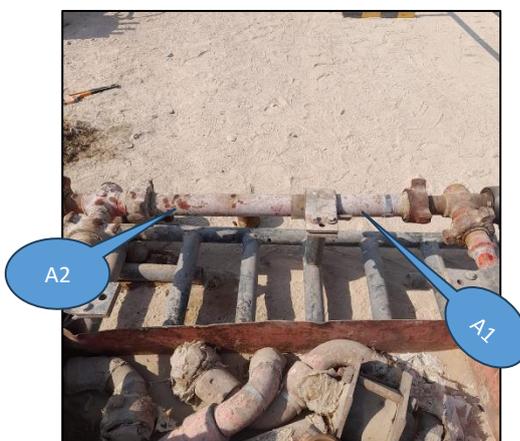
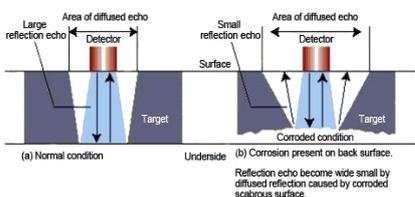
ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering	Location: Hilong Base / Aberdeen Yard	Inspection Date: 13-November-2025	
Certificate No: ATS-10-25-5155-27-2	Work order & Job No#: ATS-10-25-5155	Inspection Due Date: 12-November-2026	
Item Description: STRAIGHT JOINT 2" 1502 THREAD X WING			
Serial No#: CP044			
Relative Standards/Specifications: ASTM E 797 & Client Specifications		Material: Carbon Steel	
Surface Condition: Brushed and Cleaned		Surface Temperature: 22 C°	
Measuring Equipment			
UTM Instrument - Maker: Sona Test	Model: Sonagage IV	S. No.: 05058473	Calibration Date: 05-June-2025
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594	Calibration Date: 05-June-2025
		Calibration Due Date: 04-Dec-2025	Calibration Due Date: 04-Dec-2025

Sketch or picture (direct on this page or attached)



- 1: 12 O'clock position
- 2: 3 O'clock position
- 3: 6 O'clock position
- 4: 9 O'clock position

UTM Results

Position	Nominal Wall Thickness	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	Nil	8.0	13.28	13.32	13.45	13.49	-
A2		8.0	13.95	14.07	14.15	14.25	-

Result:

1- UTM WAS CARRIED OUT ON THE ITEM AS MENTIONED EARLIER AND ALL ACTUAL WALL THICKNESS READINGS SHOULD BE REVISED ACCORDING TO CLIENT SPECIFICATIONS / OEM DOCUMENTS AT THE TIME OF INSPECTION:

Inspector Name:	Tayyab Abbasi	Reviewed by:	Hasan Omran	Signature & Stamp
Qualification:	ASNT Level II	Date:	13-Nov-2025	
Signature:		Signature:		





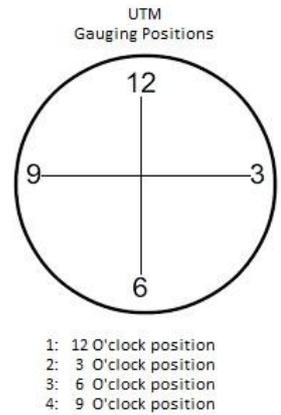
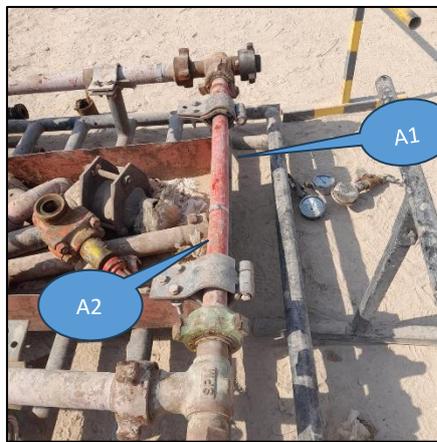
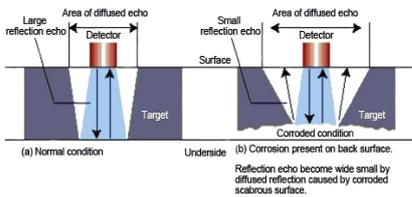
ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering	Location: Hilong Base / Aberdeen Yard	Inspection Date: 13-November-2025	
Certificate No: ATS-10-25-5155-27-3	Work order & Job No#: ATS-10-25-5155	Inspection Due Date: 12-November-2026	
Item Description: STRAIGHT JOINT 2" 1502 THREAD X WING			
Serial No#: CP034			
Relative Standards/Specifications: ASTM E 797 & Client Specifications		Material: Carbon Steel	
Surface Condition: Brushed and Cleaned		Surface Temperature: 22 C°	
Measuring Equipment			
UTM Instrument - Maker: Sona Test	Model: Sonagage IV	S. No.: 05058473	Calibration Date: 05-June-2025
			Calibration Due Date: 04-Dec-2025
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594	Calibration Date: 05-June-2025
			Calibration Due Date: 04-Dec-2025

Sketch or picture (direct on this page or attached ☐)



UTM Results

Position	Nominal Wall Thickness	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	Nil	8.0	8.47	8.56	8.47	8.72	-
A2		8.0	8.58	8.75	8.48	8.96	-

Result:

1- UTM WAS CARRIED OUT ON THE ITEM AS MENTIONED EARLIER AND ALL ACTUAL WALL THICKNESS READINGS SHOULD BE REVISED ACCORDING TO CLIENT SPECIFICATIONS / OEM DOCUMENTS AT THE TIME OF INSPECTION:

Inspector Name:	Tayyab Abbasi	Reviewed by:	Hasan Omran	Signature & Stamp
Qualification:	ASNT Level II	Date:	13-Nov-2025	
Signature:		Signature:		





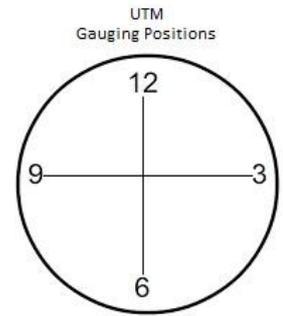
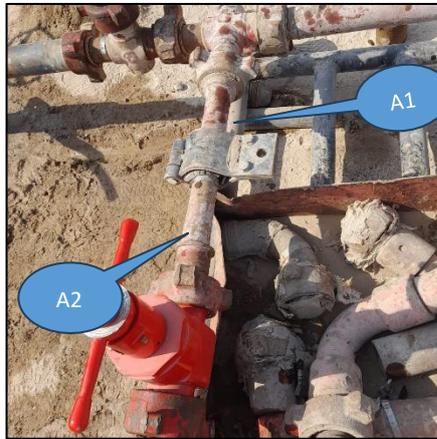
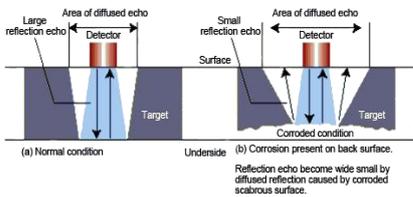
ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering	Location: Hilong Base / Aberdeen Yard	Inspection Date: 13-November-2025	
Certificate No: ATS-10-25-5155-27-4	Work order & Job No#: ATS-10-25-5155	Inspection Due Date: 12-November-2026	
Item Description: STRAIGHT JOINT 2" 1502 THREAD X WING			
Serial No#: CP043			
Relative Standards/Specifications: ASTM E 797 & Client Specifications		Material: Carbon Steel	
Surface Condition: Brushed and Cleaned		Surface Temperature: 22 C°	
Measuring Equipment			
UTM Instrument - Maker: Sona Test	Model: Sonagage IV	S. No.: 05058473	Calibration Date: 05-June-2025
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594	Calibration Date: 05-June-2025
		Calibration Due Date: 04-Dec-2025	Calibration Due Date: 04-Dec-2025

Sketch or picture (direct on this page or attached)



- 1: 12 O'clock position
- 2: 3 O'clock position
- 3: 6 O'clock position
- 4: 9 O'clock position

UTM Results

Position	Nominal Wall Thickness	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	Nil	8.0	11.58	11.62	11.75	11.49	-
A2		8.0	12.25	11.07	11.15	11.25	-

Result:

1- UTM WAS CARRIED OUT ON THE ITEM AS MENTIONED EARLIER AND ALL ACTUAL WALL THICKNESS READINGS SHOULD BE REVISED ACCORDING TO CLIENT SPECIFICATIONS / OEM DOCUMENTS AT THE TIME OF INSPECTION:

Inspector Name:	Tayyab Abbasi	Reviewed by:	Hasan Omran	Signature & Stamp
Qualification:	ASNT Level II	Date:	13-Nov-2025	
Signature:		Signature:		





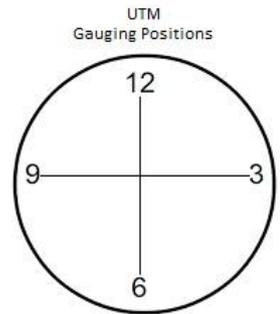
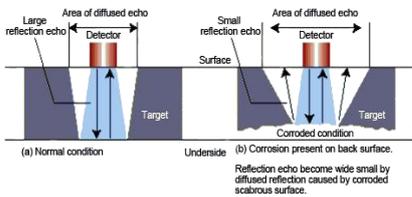
ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering	Location: Hilong Base / Aberdeen Yard	Inspection Date: 13-November-2025	
Certificate No: ATS-10-25-5155-27-5	Work order & Job No#: ATS-10-25-5155	Inspection Due Date: 12-November-2026	
Item Description: STRAIGHT JOINT 2" 1502 THREAD X WING			
Serial No#: DB010			
Relative Standards/Specifications: ASTM E 797 & Client Specifications		Material: Carbon Steel	
Surface Condition: Brushed and Cleaned		Surface Temperature: 22 C°	
Measuring Equipment			
UTM Instrument - Maker: Sona Test	Model: Sonagage IV	S. No.: 05058473	Calibration Date: 05-June-2025
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594	Calibration Date: 05-June-2025
		Calibration Due Date: 04-Dec-2025	Calibration Due Date: 04-Dec-2025

Sketch or picture (direct on this page or attached ☐)



- 1: 12 O'clock position
- 2: 3 O'clock position
- 3: 6 O'clock position
- 4: 9 O'clock position

UTM Results

Position	Nominal Wall Thickness	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	Nil	8.0	13.48	13.52	12.71	12.96	-

Result:
 1- UTM WAS CARRIED OUT ON THE ITEM AS MENTIONED EARLIER AND ALL ACTUAL WALL THICKNESS READINGS SHOULD BE REVISED ACCORDING TO CLIENT SPECIFICATIONS / OEM DOCUMENTS AT THE TIME OF INSPECTION:

Inspector Name:	Tayyab Abbasi	Reviewed by:	Hasan Omran	Signature & Stamp
Qualification:	ASNT Level II	Date:	13-Nov-2025	
Signature:		Signature:		





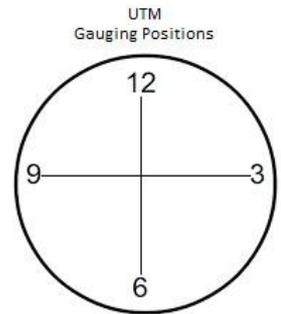
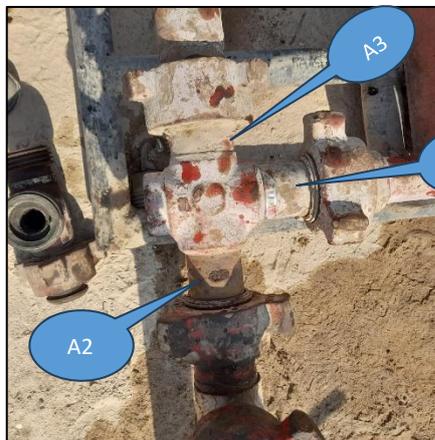
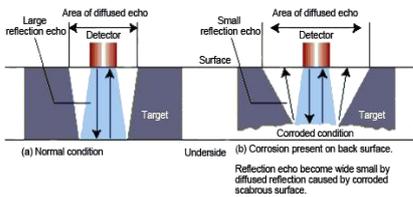
ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering	Location: Hilong Base / Aberdeen Yard	Inspection Date: 13-November-2025	
Certificate No: ATS-10-25-5155-27-6	Work order & Job No#: ATS-10-25-5155	Inspection Due Date: 12-November-2026	
Item Description: TEE 2" 1502 THREAD X THREAD X WING			
Serial No#: TS001			
Relative Standards/Specifications: ASTM E 797 & Client Specifications		Material: Carbon Steel	
Surface Condition: Brushed and Cleaned		Surface Temperature: 22 C°	
Measuring Equipment			
UTM Instrument - Maker: Sona Test	Model: Sonagage IV	S. No.: 05058473	Calibration Date: 05-June-2025
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594	Calibration Date: 05-June-2025
		Calibration Due Date: 04-Dec-2025	Calibration Due Date: 04-Dec-2025

Sketch or picture (direct on this page or attached □)



- 1: 12 O'clock position
- 2: 3 O'clock position
- 3: 6 O'clock position
- 4: 9 O'clock position

UTM Results

Position	Nominal Wall Thickness	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	Nil	8.0	13.54	13.72	13.36	13.56	-
A2		8.0	13.62	13.65	12.41	13.46	-
A3		8.0	13.65	13.56	12.61	13.36	-

Result:
 1- UTM WAS CARRIED OUT ON THE ITEM AS MENTIONED EARLIER AND ALL ACTUAL WALL THICKNESS READINGS **SHOULD BE REVISED** ACCORDING TO CLIENT SPECIFICATIONS / OEM DOCUMENTS AT THE TIME OF INSPECTION:

Inspector Name:	Tayyab Abbasi	Reviewed by:	Hasan Omran	Signature & Stamp
Qualification:	ASNT Level II	Date:	13-Nov-2025	
Signature:		Signature:		





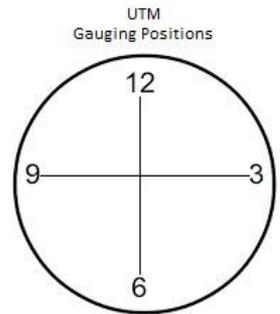
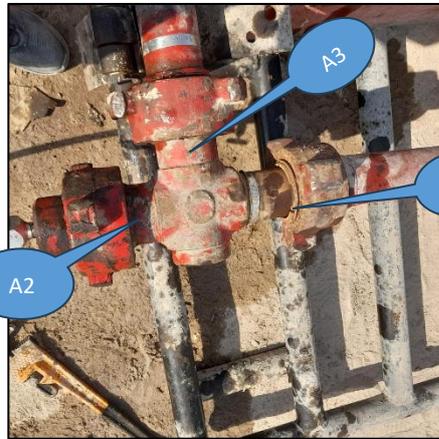
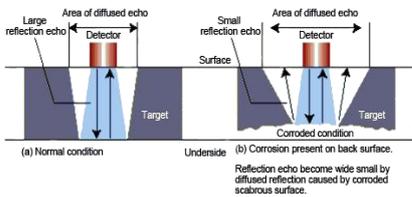
ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering	Location: Hilong Base / Aberdeen Yard	Inspection Date: 13-November-2025
Certificate No: ATS-10-25-5155-27-7	Work order & Job No#: ATS-10-25-5155	Inspection Due Date: 12-November-2026
Item Description: TEE 2" 1502 THREAD X THREAD X WING		
Serial No#: TS004		
Relative Standards/Specifications: ASTM E 797 & Client Specifications		Material: Carbon Steel
Surface Condition: Brushed and Cleaned		Surface Temperature: 22 C°
Measuring Equipment		
UTM Instrument - Maker: Sona Test	Model: Sonagage IV	S. No.: 05058473
		Calibration Date: 05-June-2025
		Calibration Due Date: 04-Dec-2025
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594
		Calibration Date: 05-June-2025
		Calibration Due Date: 04-Dec-2025

Sketch or picture (direct on this page or attached)



- 1: 12 O'clock position
- 2: 3 O'clock position
- 3: 6 O'clock position
- 4: 9 O'clock position

UTM Results

Position	Nominal Wall Thickness	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	Nil	8.0	13.26	13.45	13.16	13.36	-
A2		8.0	13.28	13.51	12.21	13.41	-
A3		8.0	13.35	13.59	12.31	13.45	-

Result:
 1- UTM WAS CARRIED OUT ON THE ITEM AS MENTIONED EARLIER AND ALL ACTUAL WALL THICKNESS READINGS SHOULD BE REVISED ACCORDING TO CLIENT SPECIFICATIONS / OEM DOCUMENTS AT THE TIME OF INSPECTION:

Inspector Name:	Tayyab Abbasi	Reviewed by:	Hasan Omran	Signature & Stamp
Qualification:	ASNT Level II	Date:	13-Nov-2025	
Signature:		Signature:		





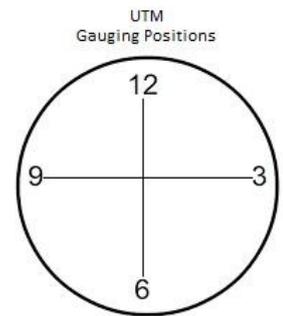
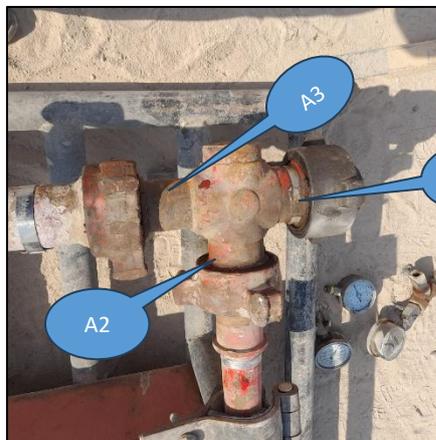
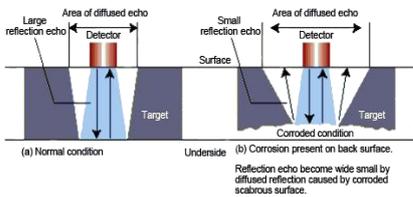
ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE



Client: Hilong Oil Services & Engineering	Location: Hilong Base / Aberdeen Yard	Inspection Date: 13-November-2025
Certificate No: ATS-10-25-5155-27-8	Work order & Job No#: ATS-10-25-5155	Inspection Due Date: 12-November-2026
Item Description: TEE 2" 1502 THREAD X WING X WING		
Serial No#: TS004		
Relative Standards/Specifications: ASTM E 797 & Client Specifications		Material: Carbon Steel
Surface Condition: Brushed and Cleaned		Surface Temperature: 22 C°
Measuring Equipment		
UTM Instrument - Maker: Sona Test	Model: Sonagage IV	S. No.: 05058473
		Calibration Date: 05-June-2025
		Calibration Due Date: 04-Dec-2025
Pit Depth Gauge - Maker: New Tech	Model: NAA-4-M11118	S. No.: 97594
		Calibration Date: 05-June-2025
		Calibration Due Date: 04-Dec-2025

Sketch or picture (direct on this page or attached)



- 1: 12 O'clock position
- 2: 3 O'clock position
- 3: 6 O'clock position
- 4: 9 O'clock position

UTM Results

Position	Nominal Wall Thickness	Minimum Thickness (mm)	Measured Wall Thickness (mm)				Remarks
A1	Nil	8.0	13.21	13.45	13.13	13.45	-
A2		8.0	13.35	13.71	12.41	13.40	-
A3		8.0	13.42	13.69	12.25	13.51	-

Result:
 1- UTM WAS CARRIED OUT ON THE ITEM AS MENTIONED EARLIER AND ALL ACTUAL WALL THICKNESS READINGS SHOULD BE REVISED ACCORDING TO CLIENT SPECIFICATIONS / OEM DOCUMENTS AT THE TIME OF INSPECTION:

Inspector Name:	Tayyab Abbasi	Reviewed by:	Hasan Omran	Signature & Stamp
Qualification:	ASNT Level II	Date:	13-Nov-2025	
Signature:		Signature:		

