



### 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:**

**HL – 22 / ZB-622**

**Inspection Date:**

**05 – December – 2024**

**Next Inspection Date:**

**04 – December – 2025**

**Inspector Name:**

**Aram Dlawar**





**Inspection Summary Report**

Report No:	ATS-12-24-4628-UTM-002	Job No:	ATS-12-24-4628
Customer:	<b>Hilong Oil Services &amp; Engineering</b>	Examination date:	05-December-2024
Location:	HL-22 / ZB-622	Next Due date:	04-December-2025



Equipment Details:		
Name of the Examined Equipment:	High pressure pipe	
Summary of Procedures:		
Description of Step	Status	Remark
Visually Check For Any Damage Wear Distortion .....etc.	✓	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	
<b>Aram Dlawar</b>		





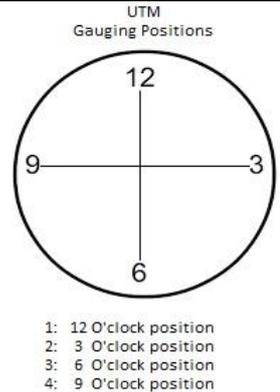
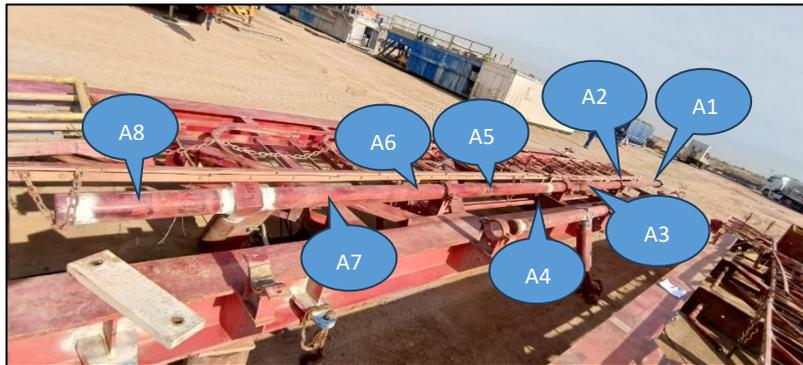
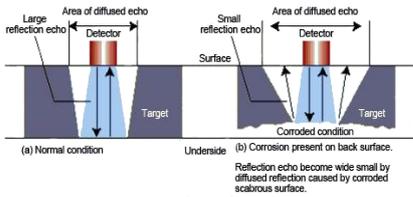
**ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION**

**ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE**



<b>Client:</b> Hilong Oil Services & Engineering		<b>Location:</b> Hilong - 22 / ZB - 622		<b>Inspection Date:</b> 05-Dec-2024	
<b>Certificate No:</b> ATS-12-24-4628-UTM-002-1		<b>Work order &amp; Job No#:</b> ATS-12-24-4628		<b>Inspection Due Date:</b> 04-Dec-2025	
<b>Item Description:</b> 4" X 35 Mpa High pressure pipe					
<b>Serial No#:</b> ZJ70D118-22					
<b>Relative Standards/Specifications:</b> ASTM E 797 & Client Specifications				<b>Material:</b> Carbon Steel	
<b>Surface Condition:</b> Brushed and Cleaned				<b>Surface Temperature:</b> 22 C°	
<b>Measuring Equipment</b>					
<b>UTM Instrument - Maker:</b> Sona Test		<b>Model:</b> Sonage IV	<b>S. No.:</b> 05058473	<b>Calibration Date:</b> 28-June-2024	<b>Calibration Due Date:</b> 27-Dec-2024
<b>Pit Depth Gauge - Maker:</b> New Tech		<b>Model:</b> NAA-4-M1118	<b>S. No.:</b> 97594	<b>Calibration Date:</b> 28-June-2024	<b>Calibration Due Date:</b> 27-Dec-2024

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	Need to be Provided from OEM by the client	17.70	17.77	17.68	17.89	Need Review
A2		Need to be Provided from OEM by the client	17.40	17.55	17.56	17.55	Need Review
A3		Need to be Provided from OEM by the client	18.70	18.66	18.71	18.55	Need Review
A4		Need to be Provided from OEM by the client	18.49	18.55	18.40	18.22	Need Review
A5		Need to be Provided from OEM by the client	18.78	18.70	18.55	18.62	Need Review
A6		Need to be Provided from OEM by the client	18.90	18.78	18.85	18.25	Need Review
A7		Need to be Provided from OEM by the client	18.37	18.25	18.40	18.55	Need Review
A8		Need to be Provided from OEM by the client	19.20	19.30	19.25	19.18	Need Review

**Result:** 1- UTM WAS CARRIED OUT ON THE ITEM AS MENTIONED EARLIER AND ALL ACTUAL WALL THICKNESS READINGS SHOULD BE REVIEWED AGAINST THE OEM DOCUMENTS WHICH SHALL BE PROVIDED FROM THE OEM BY THE CLIENT

<b>Inspector Name:</b>	Aram Dlawar	<b>Reviewed by:</b>	Hasan Omran	<b>Signature &amp; Stamp</b> 
<b>Qualification:</b>	ASNT Level II	<b>Date:</b>	06-Dec-2024	
<b>Signature:</b>		<b>Signature:</b>		

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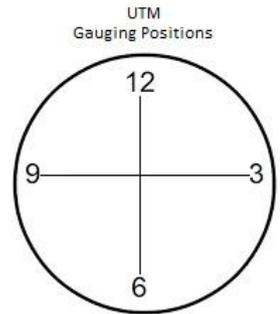
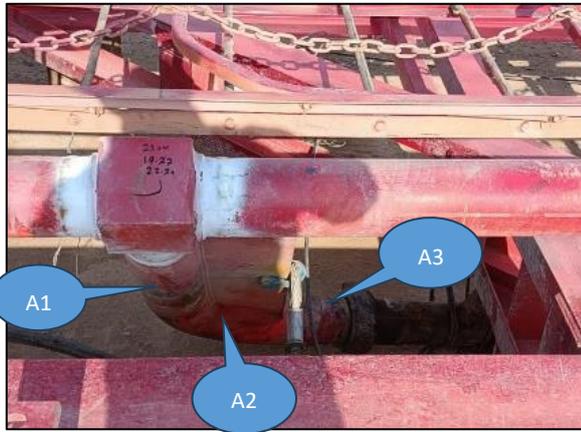
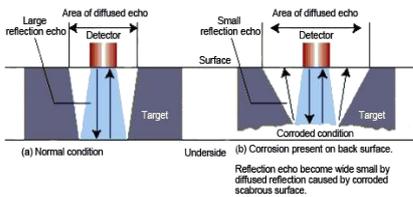
**ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION**

**ULTRASONIC THICKNESS MEASUREMENT (UTM) CERTIFICATE**



<b>Client:</b> Hilong Oil Services & Engineering	<b>Location:</b> Hilong - 22 / ZB - 622	<b>Inspection Date:</b> 05-Dec-2024
<b>Certificate No:</b> ATS-12-24-4628-UTM-002-2	<b>Work order &amp; Job No#:</b> ATS-12-24-4628	<b>Inspection Due Date:</b> 04-Dec-2025
<b>Item Description:</b> 4" X 35 Mpa High pressure pipe		
<b>Serial No#:</b> ZJ70D118-22		
<b>Relative Standards/Specifications:</b> ASTM E 797 & Client Specifications		<b>Material:</b> Carbon Steel
<b>Surface Condition:</b> Brushed and Cleaned		<b>Surface Temperature:</b> 22 C°
<b>Measuring Equipment</b>		
<b>UTM Instrument - Maker:</b> Sona Test	<b>Model:</b> Sonagage IV	<b>S. No.:</b> 05058473
		<b>Calibration Date:</b> 28-June-2024
		<b>Calibration Due Date:</b> 27-Dec-2024
<b>Pit Depth Gauge - Maker:</b> New Tech	<b>Model:</b> NAA-4-M11118	<b>S. No.:</b> 97594
		<b>Calibration Date:</b> 28-June-2024
		<b>Calibration Due Date:</b> 27-Dec-2024

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	Need to be Provided from OEM by the client	23.04	23.10	23.20	23.05	Need Review
A2		Need to be Provided from OEM by the client	19.72	19.55	19.60	19.70	Need Review
A3		Need to be Provided from OEM by the client	22.79	22.43	22.55	22.60	Need Review

**Result:**  
 1- UTM WAS CARRIED OUT ON THE ITEM AS MENTIONED EARLIER AND ALL ACTUAL WALL THICKNESS READINGS **SHOULD BE REVIEWED AGAINST THE OEM DOCUMENTS WHICH SHALL BE PROVIDED FROM THE OEM BY THE CLIENT**

<b>Inspector Name:</b>	Aram Dlawar	<b>Reviewed by:</b>	Hasan Omran	<b>Signature &amp; Stamp</b>
<b>Qualification:</b>	ASNT Level II	<b>Date:</b>	06-Dec-2024	
<b>Signature:</b>		<b>Signature:</b>		

