	MAJOR TURNAROUND 2025 PRESSURE VESSEL INSPECTION REPORT	Report no.: **PLANT1/VI/HX-301/TA2025** Report date: 19 Nov 2025 Plant/Unit/Area: Plant 1

Equipment tag no: HX-301 DOSH registration no.: MK PMT 1001

Equipment description: Shell and Tube Heat Exchanger

FINDINGS, NDTs & RECOMMENDATIONS

FINDINGS

Initial/Pre-Inspection - Not applicable

Post/Final Inspection

Internal

1 1.1 Severe corrosion with significant metal loss exceeding 3mm depth

1.2 General corrosion observed with pitting depth up to 2mm across affected area

1.3 External corrosion detected on shell surface, localized area approximately 50mm x 50mm with minimal metal loss

NON-DESTRUCTIVE TESTINGS

UTTM: No significant wall loss detected compared to nominal thickness upon testing. Please refer UTTM report for complete documentation.

RECOMMENDATIONS

1: 1.1 Plan repair for next major turnaround

1.2 Schedule repair during next planned shutdown within 30 days

1.3 Engineering assessment required to determine repair methodology

Inspected by: Reviewed by: Approved by (Client):

Recommendation/Comment by DOSH Officer (if applicable):

Name: Signature: Date:

Action taken by Plant 1 on recommendation by DOSH (if applicable):

Name: Signature: Date:

	MAJOR TURNAROUND 2025 **PRESSURE VESSEL INSPECTION REPORT**	Report no.: **PLANT1/VI/HX-301/TA2025** Report date: 19 Nov 2025 Plant/Unit/Area: Plant 1

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PHOTOS REPORT

Photo 1

Finding:

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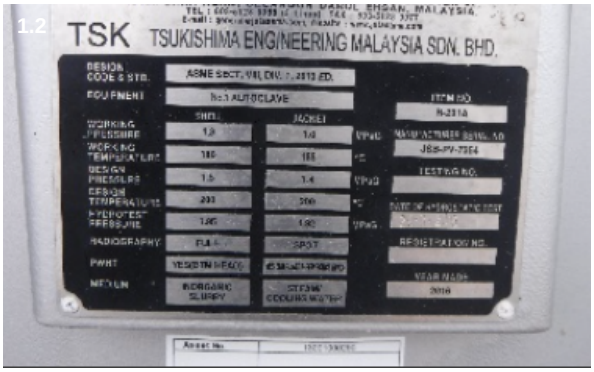


Finding:

1.2 1.1 Severe corrosion with significant metal loss exceeding 3mm depth

1.2 General corrosion observed with pitting depth up to 2mm across affected area

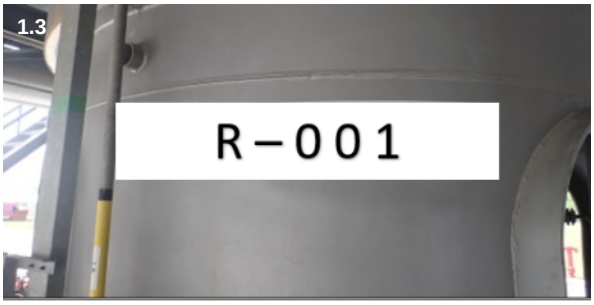
1.3 External corrosion detected on shell surface, localized area approximately 50mm x 50mm with minimal metal loss

Recommendation:

1.2 1.1 Plan repair for next major turnaround

1.2 Schedule repair during next planned shutdown within 30 days

1.3 Engineering assessment required to determine repair methodology



Finding:

1.3 1.1 Severe corrosion with significant metal loss exceeding 3mm depth

1.2 General corrosion observed with pitting depth up to 2mm across affected area

1.3 External corrosion detected on shell surface, localized area approximately 50mm x 50mm with minimal metal loss

Recommendation:

1.3 1.1 Plan repair for next major turnaround

1.2 Schedule repair during next planned shutdown within 30 days

1.3 Engineering assessment required to determine repair methodology

Inspected by: Ahmed

Reviewed by:

Approved by (Client):