

	<b>MAJOR TURNAROUND 2025 PRESSURE VESSEL INSPECTION REPORT</b>	Report no.: <b>PLANT/01/VR-R-201/TA2025</b> Report date: 22 Nov 2025 Plant/Unit/Area: Plant 1
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Equipment tag no: R-201  
Equipment description: Catalytic Reactor

DOSH registration no.: MK PMT 1001

**FINDINGS, NDTs & RECOMMENDATIONS**

**FINDINGS**

Initial/Pre-Inspection - Not applicable

**Post/Final Inspection**

**Internal**

- 1 1.1 Through-wall corrosion detected with active leak or imminent failure risk
- 1.2 External corrosion detected on shell surface, localized area approximately 50mm x 50mm with minimal metal loss
- 1.3 General corrosion observed with pitting depth up to 2mm across affected area
- 2 2.1 General corrosion observed with pitting depth up to 2mm across affected area
- 2.2 Severe corrosion with significant metal loss exceeding 3mm depth

**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 1.1 Schedule repair during next planned shutdown within 30 days
- 1.2 Engineering assessment required to determine repair methodology
- 2: 2.1 nill

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):

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PHOTOS REPORT

Photo 1



- Finding:**
- 1.1 1.1 Through-wall corrosion detected with active leak or imminent failure risk
  - 1.2 External corrosion detected on shell surface, localized area approximately 50mm x 50mm with minimal metal loss
  - 1.3 General corrosion observed with pitting depth up to 2mm across affected area
- Recommendation:**
- 1.1 1.1 1.1 Schedule repair during next planned shutdown within 30 days
  - 1.2 Engineering assessment required to determine repair methodology

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PHOTOS REPORT

Photo 2



**Finding:**  
2.1 2.1 General corrosion observed with pitting depth up to 2mm across affected area  
  
2.2 Severe corrosion with significant metal loss exceeding 3mm depth  
**Recommendation:**  
2.1 2.1 nil



**Finding:**  
2.2 2.1 General corrosion observed with pitting depth up to 2mm across affected area  
  
2.2 Severe corrosion with significant metal loss exceeding 3mm depth  
**Recommendation:**  
2.2 2.1 nil



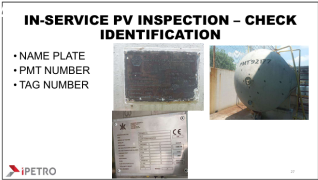
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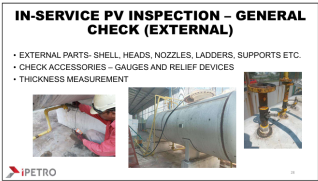
DOSH registration no.: MK PMT 1001

PHOTOS REPORT

Photo 4



**Finding:**  
4.1 No caption provided  
  
**Recommendation:**  
4.1 Nil



Inspected by:

Reviewed by:

Approved by (Client):