



VISUAL INSPECTION REPORT

Job Details

Table with 2 columns: Field Name and Value. Fields include Client, Project Name, P.O. Number, Location, Installation, Date of Inspection, Report No, AG IRM Project No, Module, Component ID, Component Type, Material, Design Temperature, Operating Temp, Design Pressure, Operating Pressure, Rep Line, Corrosion Loop, Line From, Line To, and P&ID.

Inspection Summary

Table with 3 columns: Isometric Index, Results, and Rectification WO No. Row 1: 2-AE200-16-OW-7077-N, Fit For Service, N/A

External Inspection Checklist for Process Piping

2-AE200-16-OW-7077-N

Section 1 - Structural

- a) Check and ensure expansion joints are not bent out of shape.
b) Check for any dents and misalignments, overhung, inadequate support and vibration that can cause rupture.

Table with 3 columns: Status, Discrepancy, Photo ref. Row 1: N/A, empty, empty. Row 2: N/A, empty, empty.

Section 2 - Piping Supports

- a) Check for missing supports that can cause the pipe to rupture under weight.

Table with 3 columns: Status, Discrepancy, Photo ref. Row 1: N/A, empty, empty.

Section 3 - Coating

- a) Assess the coating condition of the piping system.

Table with 3 columns: Status, Discrepancy, Photo ref. Row 1: N/A, empty, empty.

Section 4 - Leaks

- a) Check for leaks and identify locations.

Table with 3 columns: Status, Discrepancy, Photo ref. Row 1: N/A, empty, empty.

Section 5 - Corrosion

- a) Identify corroded areas and record them. Take measurements and record pit depth.

Table with 3 columns: Status, Discrepancy, Photo ref. Row 1: N/A, empty, empty.

Section 6 - Insulation and Insulation Penetrations

- a) Ensure all cladding is sealed.
b) Seal all exposed areas.
c) Expose some insulation to check the pipe surface for corrosion.

Table with 3 columns: Status, Discrepancy, Photo ref. Row 1: N/A, empty, empty. Row 2: N/A, empty, empty. Row 3: N/A, empty, empty.

Section 7 - Small Bore Attachments

- a) Ensure all small bore attachment are not vibrating or cracking.

Table with 3 columns: Status, Discrepancy, Photo ref. Row 1: N/A, empty, empty.

Section 8 - Threaded Plugs

- a) Check condition of threaded plugs to ensure they are not corroded.

Table with 3 columns: Status, Discrepancy, Photo ref. Row 1: N/A, empty, empty.

Legend

- Status ✓ : Drawing as per actual condition, no anomaly
Status ✗ : Drawing as per actual condition, found anomaly
Status N/A : Not exist at drawing and actual condition, no access for inspection

Comments

Large empty rectangular box for comments.

Table with 4 columns: API Inspector, Name, Qualification, Signature. Row 1: API Inspector, Ercarter E. Silalahi, API 570/API 510, [Signature]



**Photographic Support**

General view at P



Fig. 1

Corroded on bolt and stud at P1



Fig. 2

Corroded on pipe support at P1



Fig. 3

Corroded on pipe support at P1



Fig. 4

Corroded on bolt and stud at E2



Fig. 5

Corroded on bolt and stud at E2



Fig. 6

Corroded on bolt and stud at P3



Fig. 7

Corroded on bolt and stud at P3



Fig. 8

Corroded on bolt and stud at P3



Fig. 9

Corroded on bolt and stud at P3



Fig. 10

Corroded on bolt and stud at P3



Fig. 11

Corroded on bolt and stud at P3



Fig. 12

Corroded on bolt and stud at P3



Fig. 13

Good condition at P4



Fig. 14

Good condition at P6



Fig. 15

Corroded on U bolt at P8



Fig. 16

Corroded on bolt and stud at P8



Fig. 17

Corroded on U bolt at P8



Fig. 18

Corroded on pipe at P8



Fig. 19

Good condition at T9



Fig. 20

Good condition at T9



Fig. 21

Good condition at P10



Fig. 22

Good condition at E11



Fig. 23

Corroded on pipe at P12



Fig. 24

Good condition at T11



Fig. 25

Good condition at T11



Fig. 26

Good condition at P12



Fig. 27

Good condition at P12



Fig. 28



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Good condition at P12



Fig. 29

Good condition at E13



Fig. 31

Good condition at E13



Fig. 33

Corroded on pipe at P14



Fig. 35

Corroded on pipe at P14



Fig. 37

Good condition at P12



Fig. 30

Good condition at P14



Fig. 32

Corroded on pipe at P14



Fig. 34

Corroded on pipe at P14



Fig. 36



# PT. AG IRM SERVIS INDONESIA



**ABS In-Water Specialist**

Cert No. 21-4655696-A

**ABS ESP Hull Gauging**

Cert No. 21-4655692-A

**ABS Remote Inspection Techniques**

Cert No. 21-4996595-A

**SKUP MIGAS NDT** ★★ ★

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Isometric