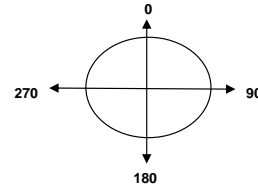
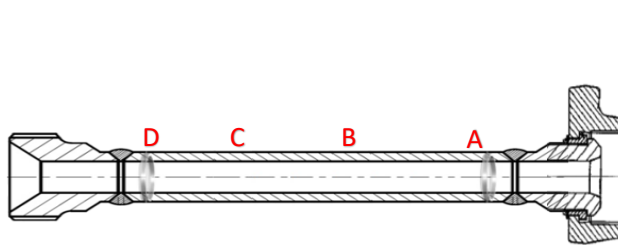


**CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION & WITNESS PRESSURE TEST**

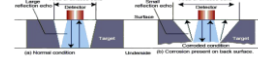
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

|                     |   |                       |  |
|---------------------|---|-----------------------|--|
| CLIENT:             | <b>TAREEK AL SALEM</b>  | REPORT NO.:           | QC-25-03-TAS-NDT-032                           |
| LOCATION:           | TAREEK AL SALEM YARD  | JOB NO:               | 27032025                                       |
| WORK ORDER #        | *****   | STANDARD:             | ASTM E709-21 & ASTM E797-21 & ASME B31.1 :2024 |
| DATE OF INSPECTION: | Thursday, March 27, 2025  | NEXT INSPECTION DATE: | <b>Thursday, March 26, 2026</b>                |
| TYPE OF INSPECTION: | <b>VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING &amp; WITNESS PRESSURE TEST</b> |                       |  |
| DESCRIPTION:        | <b>3" INLET LINE 12.5 FT (3" 1502 WING X THREAD)</b>  | SERIAL NO:            | 1301   |
| Pump NO:            | 13119220<br>CAL DUE DATE 19.AUG.2025  | Pressure Gauge NO:    | 218230280019<br>CAL DUE DATE 28.FEB.2026       |



ONLINE TRACEABILITY

\* ALL READINGS IN INCH  
\*\* MINIMUM THICKNESS PROVIDED BY CUSTOMER



| THICKNESS POINT AREA | WALL THICKNESS RESULT |       |       |       | MINIMUM THICKNESS IN INCHES |
|----------------------|-----------------------|-------|-------|-------|-----------------------------|
|                      | 0°                    | 90°   | 180°  | 270°  |                             |
| A                    | 0.372                 | 0.375 | 0.370 | 0.361 | 0.214 INCH                  |
| B                    | 0.364                 | 0.352 | 0.358 | 0.365 |                             |
| C                    | 0.357                 | 0.356 | 0.363 | 0.368 |                             |
| D                    | 0.362                 | 0.370 | 0.356 | 0.363 |                             |

**INSPECTION RESULT**

|          |          |  |
|----------|----------|--|
| VT & MPI | Accepted | According to ASTM E709-21  |
| UT       | Accepted | According to ASTM E 797-21   |
| BODY     | Accepted | *** These Are The Actual Readings Need To Follow As Per Standard Acceptance Criteria |

**Inspection Evaluation**

MPI -The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable According to ASTM E709-21  
Note:MPI Wet Fluorescent inspection Thread With UltraViolet Light  
Magnetic Particle Inspection With A/C Hand Yoke Welds & Available Areas

U.T-The Above Item Was Found Acceptable As Per ASTM E797-21

Pressure TestWitness-The Above Item was Pressure Tested up to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 5.000 psi Hold 15 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

**INSPECTION EQUIPMENT DETAILS**

**TECHNICAL DETAILS**

| INSPECTION EQUIPMENT DETAILS     |           |                           |                         | TECHNICAL DETAILS                   |                      |          |             |
|----------------------------------|-----------|---------------------------|-------------------------|-------------------------------------|----------------------|----------|-------------|
| AC YOKE S.N:                     | 201504052 | CAL DUE DATE              | 11-Apr-25               | White Contrast<br>WCP-2             | MANUFACTURER         | BATCH NO | EXPIRE DATE |
| Digital Lux Meter<br>WHITE LIGHT | 2722003   | CAL DUE DATE              | 13-Apr-25               |                                     | Magnaflux            | 230408   | APRIL,2026  |
| UT THICKNESS GAUGE:              | 5500391   | CAL DUE DATE              | 11-Apr-25               | Black Magnetic<br>Ink 7HF           | MANUFACTURER         | BATCH NO | EXPIRE DATE |
| UT TEST BLOCK:                   | NoBo5087  | CAL DUE DATE              | 12-Apr-25               |                                     | Magnaflux            | 230604   | JUNE, 2026  |
| ASTM Test Block:                 | 1657      | CAL DUE DATE              | 11-Apr-25               | Fluorescent<br>Magnetic Ink<br>14HF | MANUFACTURER         | BATCH NO | EXPIRE DATE |
| DC COIL:                         | 22650     | CAL DUE DATE              | 12-Apr-25               |                                     | Magnaflux            | 230503   | MAY,2026    |
| UV BLACK LIGHT:                  | 1898977   | CAL DUE DATE              | 11-Apr-25               | Concentration of 14HF:              | 0.1 to 0.4 ml/100 ml |          |             |
| WHITE LIGHT INTENSITY:           | 3680 lux  | UV BLACK LIGHT INTENSITY: | 3070 μw/cm <sup>2</sup> | Concentration of 7HF:               | 1.2 to 2.4 ml/100 ml |          |             |

**PERSON DETAILS**

**REVIEW BY**

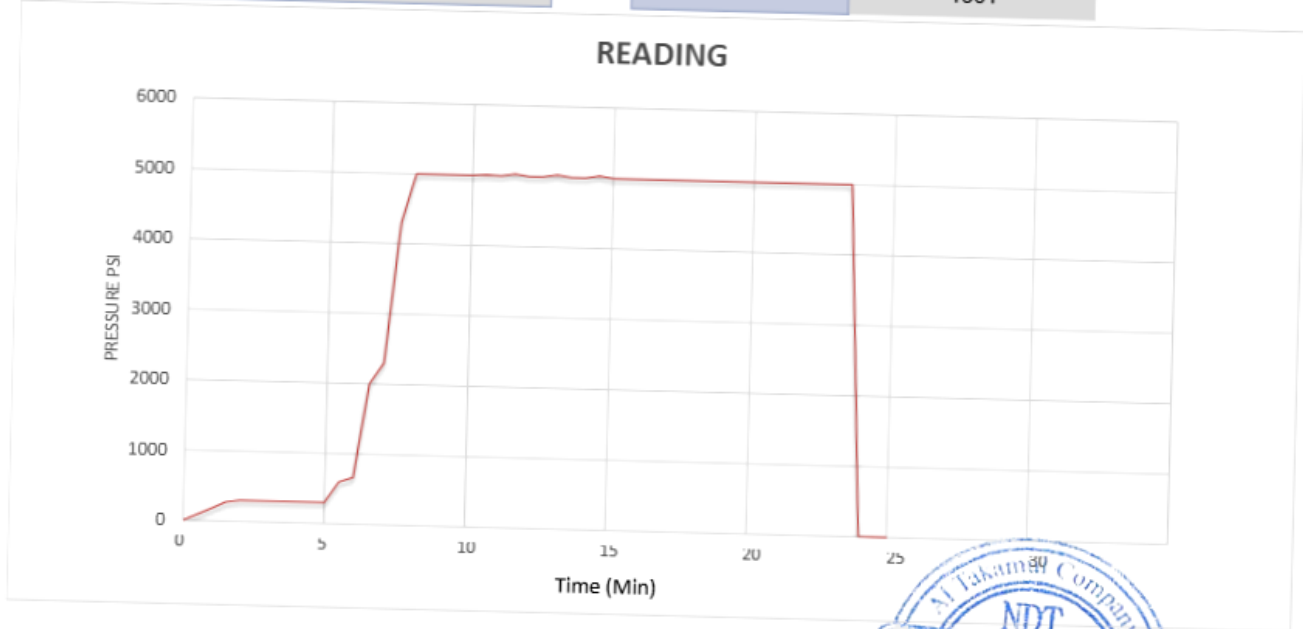
|                    |                  |                        |                |         |  |
|--------------------|------------------|------------------------|----------------|---------|--|
| INSPECTOR NAME:    | M. Shalwan Ahmed | SENIOR INSPECTOR:      | NAVEED HUSSAIN | CLIENT: |  |
| QUALIFICATION:     |                  | INSPECTION SUPERVISOR: | HANI ALI       | HR&SIGN |  |
| SIGNATURE & STAMP: |                  |                        |                | DATE:   |  |



# Data Collection Report

| Gauge Information |                         |
|-------------------|-------------------------|
| Serial Number     | 218230280019            |
| Model             | ADT680W-25-GP30K-PSI-AM |
| Calibration Date  | 7-Mar-24                |
| Range             | 30000 PSI               |

| Run Info   |           |
|------------|-----------|
| Start Time | 1:56 PM   |
| Stop Time  | 2:20 PM   |
| Test Date  | 27-Mar-25 |
| EQ NUMBER  | 1301      |



TESTED BY : Ahmed Omran  
APPROVED BY: Roddy Haleem  
COMMENTS: Body Test

