

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION & WITNESS PRESSURE TEST
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

| | | | |
|---------------------|---|-----------------|--------------------------|
| CLIENT: | HALLIBURTON | REPORT No.: | QC-23-10-RS-TSS-161 |
| LOCATION: | TSS (Burjesia Halliburton Camp) | STANDARD: | (ASTM E 797 & ASTM E709) |
| WORK ORDER: | - | SPECIFICATION: | (WM-GL-HAL-SWT-501) |
| INSPECTION DATE: | 6-Oct-2023 | INSP. DUE DATE: | 5-Oct-2024 |
| TYPE OF INSPECTION: | VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING | | |

| | | | |
|---------------|------------------------------------|--------------------|---------------------------------|
| DESCRIPTION: | 3" 600 CHECK VALVE 1440 Psi | MFG SERIAL NO: | 122 |
| MANUFACTURER: | ANSON | Pressure Gauge NO: | 468066 Cal DUE. AUG.2024 |
| Pump S.N.: | 13119220 Cal DUE. AUG.2024 | | |

INSPECTION DETAILS

(a) Normal condition

(b) Corrosion present on back surface.
Reflection echo become wide small by diffused reflection caused by corroded scabrous surface.

A

ONLINE TRACEABILITY

A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C:6'O CLOCK / AFT

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

| POINTS | THICKNESS AT POSITION | | Minimum Thickness |
|--------|-----------------------|--|-------------------|
| | A | | |
| 0° | 0.375 | | 0.124 INCH |
| 90° | 0.395 | | 0.124 INCH |
| 180° | 0.403 | | 0.124 INCH |
| 270° | 0.376 | | 0.124 INCH |

INSPECTION RESULT

| | | |
|----------|----------|---|
| VT & MPI | Accepted | * ACCORDING TO ASM E709(70.94158). |
| UT | Accepted | ** According to Halliburton Procedure WM-GL-HAL-SWT-501 (ASTM E 797) |
| BODY | Accepted | *** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria |

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

U.T-The Above Item Was Found Acceptable As Per Halliburton Acceptance Criteria (WM-GL-HAL-SWT-501) (ASTM E 797)

Pressure Test-The Above Item was Flapper & Body Pressure Tested to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 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: | 201504048 | CAL DUE DATE | 14.FEB.2024 | White Contrast WCP-2 | MANUFACTURE | BATCH NO | EXPIRE DATE |
| Digital Lux Meter WHITE LIGHT | 2722003 | CAL DUE DATE | 16.FEB.2024 | | Magnaflux | 220602 | JUN,2025 |
| UT THICKNESS GAUGE: | 3997 | CAL DUE DATE | 16.FEB.2024 | Black Magnetic Ink 7HF | MANUFACTURE | BATCH NO | EXPIRE DATE |
| UT TEST BLOCK: | NoBo5087 | CAL DUE DATE | 16.FEB.2024 | | Magnaflux | 220605 | JULY,2025 |
| ASTM Test Block: | 1657 | CAL DUE DATE | 14.FEB.2024 | Fluorescent Magnetic Ink 7HF | 1.2 to 2.4 ml/100 ml | | |
| Digital Lux Meter WHITE LIGHT INTENSITY: 3640 lux | S.NO:2722003 | CAL DUE DATE | 16.FEB.2024 | | | | |

PERSON DETAILS

| | | | | | |
|--------------------|-------------------|------------------------|-----------------------|---------|--|
| INSPECTOR NAME: | RAO SOHAIL | SENIOR INSPECTOR: | NAVEED HUSSAIN | CLIENT: | |
| QUALIFICATION: | | INSPECTION SUPERVISOR: | HANI ALI | HB&SIGN | |
| SIGNATURE & STAMP: | | | | DATE: | |

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