# Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

QUALITY CONTROL

## CERTIFICATION OF VISUAL THROUGH EXAMINATON & DYE PENETRANT INSPECTION

| | | | |
|---|---|---|---|
| Client: | HALLIBURTON HCT | Report No: | QC-25-09-MS-HCT-386 |
| Location: | HCT WORKSHOP | JOB NO: | 29092025 |
| Inspection Date: | Monday, September 29, 2025 | Next Inspection Date: | Saturday, March 28, 2026 |
| TYPE OF INSPECTION: | VISUAL , THOROUGH EXAMINATION & DYE PENETRANT INSPECTION (DPI) | STANDARD: | API SPEC 5CT LATEST EDITION /ASTM E165-23 |
| | | HCT DOC: | MAN-GL-HAL-HCT-900 REV NO.6.8 ( REV DATE : 22-JUL-2025 ) |
| | | UNIT DESCRIPTION: | CHEMICAL INJECTION MANDREL ( 3 1/2-9.20 TSH BLUE PIN X BOX ) |
| | | IDENTIFICATION NUMBER: | M#103094807 , B#AKV2214266-8 |

| INSPECTION RESULT : | |
|---|---|
| VISUAL , THOROUGH EXAMINATION | Above Item fully inspected and found freedom from deforms, cracks, corrosion & mechanical damage |
| DYE PENETRANT INSPECTION (DPI) | Thread & Avaliable critical areas inspected and found free from cracks and other defects |
| FINAL RESULTS | Above Item found satisfactory and free of defects at the time of inspection |

| TECHNICAL DETAILS | | | |
|---|---|---|---|
| TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE | | | |
| PENETRANT DWELL TIME: | 30 minutes | DEVELOPER DWELL TIME: | 15 minutes |
| Test Part Temperature: | 99 °F | WHITE LIGHT INTENSITY: | 3630 LUX |

| EQUIPMENT DETAILS | | | | | |
|---|---|---|---|---|---|
| EQUIPMENT : | COMPARATOR BLOCK | EQUIPMENT : | Digital Lux Meter | EQUIPMENT : | INFRARED THERMOMETER |
| S.N: | 11223 | S.N: | 2722003 | S.N: | 201704125 |
| Cal Due Date: | 08,OCT,2025 | Cal Due Date: | 09,OCT,2025 | Cal Due Date: | 07,OCT,2025 |

| | | | | | |
|---|---|---|---|---|---|
| Red Penetrant Manufacture: | Magnaflux | Batch No: | 230206 | EXPIRE DATE: | FEB,2026 |
| Developer Manufacture: | Magnaflux | Batch No: | 230608 | EXPIRE DATE: | JUNE,2026 |
| WATER PRESSURE | 30 PSI | P. GAUGE | SSR825 | DUE CAL DATE: | 07,OCT,2025 |

| PERSONNEL DETAILS | |
|---|---|
| INSPECTOR NAME: M. Shahzad | |
| QUALIFICATION: ASNT LEVEL II MT & PT& VT & UT | |
| SIGNATURE: | |

| REVIEW BY | |
|---|---|
| SENIOR INSPECTOR: | NAVEED HUSSAIN |
| SUPERVISOR: | HANI ALI |
| CLIENT: | |

Original - Client Files Copy - Area Office QC/FN/DPI/NDT/022 Rev.00 Dated: 07 Nov 2021