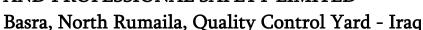
Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED





CERTIFICATION OF VISUAL, THOROUGH EXAMINATON & MAGNETIC PARTICLE & DYE PENETRANT INSPECTION **HALLIBURTON** QC-24-05-HPS-NDT-003 Client: Report No: WORK ORDER NO: Location: HPS (Burjesia Halliburton Camp) 8052024 Inspection Date: Wednesday, May 8, 2024 Next Inspection Date: Thursday, November 7, 2024 ASTM E165/E165M ,ASTM E1417/E1417M ,EN ISO 3452-1,EN ISO 3452-2 /ISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE & DYE PENETRANT INSPECTION Type Of Inspection: Specification: ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A, 16A FLANGE CROSS OVER 4-1/16" 15K BX-155 FLG 8.250"-4X2 ACME BOWN BOX UNIT DESCRIPTION: **WP 10K** (Seal Dia-6.00") With Modified Collar. EQUIPMENT S/N: E23-30893-01-02 INSPECTION RESULT: Above Item fully inspected and found freedom from **VISUAL, THOROUGH EXAMINATION** deforms, cracks, corrosion & mechanical damage Thread & Avaliable critical areas inspected MAGNETIC PARTICLE INSPECTION (MPI) and found free from cracks and other defects' Groove areas inspected DYE PENETRANT INSPECTION (DPI) and found free from cracks and other defects' Above Item found satisfactory and free of defects **FINAL RESULTS** at the time of inspection **TECHNICAL DETAILS DPI** COMMENT: TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE (MPI Wet Fluorescent inspection Thread With UltraViolet Light) PENETRANT DWELL TIME: 30 minutes **DEVELOPER DWELL TIME:** 15 minutes Magnetic Particle Inspection With A/C Hand Yoke, Black & White Contrast 92 °F WHITE LIGHT INTENSITY: **TEST PART TEMPERATURE:** 3620 LUX Dye Penetrant Inspection Groove Area **EQUIPMENT DETAILS** PERSON DETAILS **REVIEW BY** UV BLACK LIGHT: **EQUIPMENT:** AC/DC HAND Yoke **EQUIPMENT** Shooting Coil DC EQUIPMENT 2980 μw/cm² S.NO: 201504052 S.NO: 22650 1898977 S.NO: INSPECTOR NAME: SENIOR INSPECTOR: M.SHAHZAD AHMED NAVEED HUSSAIN 12.AUG.2024 Cal Due Date: 12.AUG.2024 **Cal Due Date** Cal Due Date: 12.AUG.2024 **EQUIPMENT:** COMPARATOR BLOCK **EQUIPMENT: EQUIPMENT:** INFRARED THERMOMETER Pressure Gauge 30 PS S.NO: 11223 S.NO: SSR825 S.NO: 201704125 Cal Due Date: 12,AUG,2024 Cal Due Date: 18.AUG.2024 Cal Due Date: 14,AUG,2024 QUALIFICATION: Red Penetrant Manufacture: Batch No: 220511 EXPIRE DATE: May.2025 Magnaflux ASNT LEVEL II SUPERVISOR: HANI ALI Developer Manufacture: Magnaflux Batch No: 220302 EXPIRE DATE: March,2025 MT & PT & VT FLUORESCENT 14HF Magnaflux Batch No: 220306 EXPIRE DATE: MARCH,2025 Whie Contrast Paint Manufacture: Batch No: 220602 EXPIRE DATE: JUN,2025 Digital Lux Meter **TECHNICAL DETAILS** Black Magnetic Ink Manufacture:7Hl Tel: +9647810009138 / +9647834964657 Contact: +9647810009138 Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com_