

# AI TAKAMUL COMPANY FOR ENGINEERING TEST AND PROFESSIONAL SAFETY LIMITED

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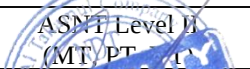
## INSPECTION CERTIFICATE FOR KELLY SAFETY VALVE ASSY M76505,IRQ-8

|                                                               |                                                                                                    |                                                          |                                                                                                              |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Client Name:                                                  | HALLIBURTON (HCT)                                                                                  | Report No.:                                              | HAL-24-06-MS-HCT-2213A                                                                                       |
| Acceptance criteria.                                          | DS-1 Volume 4 Fifth Edition                                                                        | Date of Inspection:                                      | 12.JUNE.2024                                                                                                 |
| Refrance Standard HCT                                         | MAN-GL-HAL-HCT-900 REV NO.6.3                                                                      | Next Inspection Date:                                    | 11.DECEMBER.2024                                                                                             |
|                                                               |                                                                                                    | Halliburton Doc. (Visual Procedure D00305796 Revision V) |                                                                                                              |
| Halliburton Doc. (Dimensional Procedure D00301932 Revision L) |                                                                                                    | Halliburton Doc. (MPI Procedure D00976850 Revision D)    |                                                                                                              |
| TEST EQUIPMENT & CONSUMABLE DETAILS                           |                                                                                                    |                                                          |                                                                                                              |
| WHITE CONTRAST WCP-2                                          | Batch #: 220602 Manufacture: Magnaflux<br>Exp Date: JUN,2025                                       | TECHNICAL DETAILS                                        | Wet Visible Continuous                                                                                       |
| BLACK INK 7HF                                                 | Batch#: 220605 Manufacture: Magnaflux<br>Exp Date: JULY.2025                                       | COIL(1200 AMP-TURNS/IN                                   | SR#22650 Cal.16.APR.2024<br>Cal Due 15.OCT.2024                                                              |
| FLUORESCENT 14HF                                              | Batch #: 220306 Manufacture: Magnaflux<br>Exp Date: March.2025                                     | A.C HAND YOKE                                            | SR#201504052 Cal.15.APR.2024<br>Cal Due 14.OCT.2024                                                          |
| INTENSITY METER                                               | SR#R.043943 Cal.17.APR.2024<br>Cal Due 16.OCT.2024                                                 | UV BLACK LIGHT                                           | SR#1898977 Cal.15.APR.2024<br>Cal Due 14.OCT.2024                                                            |
| LEAD GAGE                                                     | SR#AH07KF0027 GAEMAKER LG-5003<br>Cal.17.APR.2024<br>Cal Due 16.OCT.2024                           | THREAD PROFILE GAGE                                      | SR#21336 CAL.Date.17.APR.2024<br>Cal Due 16.OCT.2024<br>SR#21335 CAL.Date.17.APR.2024<br>Cal Due 16.OCT.2024 |
| Magnetic Partical Concentration 7 HF                          | 1.2 TO 2.4 ML/100 ML                                                                               | UV LIGHT INTENSITY:                                      | 3260 μw/cm²                                                                                                  |
| Magnetic particle concentration flourcent 14 HF               | 0.1 TO 0.4 ML/100 ML                                                                               | WMPT Light Intensity:                                    | 3520 Lux                                                                                                     |
| MAGNITISUM DIRECTION (LONGITUDENAL)                           |                                                                                                    |                                                          |                                                                                                              |
| METHODOLOGY:                                                  | • Through Visual inspection<br>• Dimensional Inspection<br>• MPI inspection with Ultraviolet light |                                                          |                                                                                                              |

| Serial No.  | Description             | Connection                                                                             |      | Result Inspection |      |      | Dimensional Inspection |        |                    |                    |                   |        |                |                  |                |                  |                   |                      |
|-------------|-------------------------|----------------------------------------------------------------------------------------|------|-------------------|------|------|------------------------|--------|--------------------|--------------------|-------------------|--------|----------------|------------------|----------------|------------------|-------------------|----------------------|
|             |                         |                                                                                        |      |                   |      |      | Pin                    |        |                    |                    |                   | Box    |                |                  |                |                  | Body              |                      |
|             |                         | Pin                                                                                    | Box  | Pin               | Box  | Body | OD(In)                 | ID(In) | Neck $\varpi$ (In) | Pin $\lambda$ (In) | Bevel $\phi$ (In) | OD(In) | CB $\phi$ (In) | CB $\delta$ (In) | BB $\phi$ (In) | BB $\delta$ (In) | Bevel $\phi$ (In) | Pin T $\lambda$ (In) |
| IRQ-8       | KELLY SAFETY VALVE ASSY | 4 1/2 IF                                                                               | ACME | Acc.              | Acc. | Acc. | 7"                     | 3 1/4" | 3/8"               | 4 7/16"            | 6 2/32"           | 7 1/2" | -              | -                | -              | -                | -                 | -                    |
|             |                         |                                                                                        |      |                   |      |      |                        |        |                    |                    |                   |        |                |                  |                |                  |                   |                      |
| Conclusion: |                         | ■ KELLY SAFETY VALVE ASSY was found "Acceptable". At time of Inspection Ready For Use. |      |                   |      |      |                        |        |                    |                    |                   |        |                |                  |                |                  |                   |                      |

### Abbreviations :

|              |                        |           |                    |          |                          |          |               |       |               |        |                |
|--------------|------------------------|-----------|--------------------|----------|--------------------------|----------|---------------|-------|---------------|--------|----------------|
| OD           | Outside Diameter       | ID        | Inside Diameter    | SRG      | Stress Relief Groove     | CB       | Counter Bore  | BB    | Bore Back     | FB     | Float Bore     |
| $\phi$       | Diameter               | $\lambda$ | Length             | $\varpi$ | Width                    | $\delta$ | Depth         | NP.   | Not Present   | NA.    | Not Applicable |
| EGR          | Elevator Groove Recess | SGR       | Slip Groove Recess | CR       | Crack                    | B        | Bent          | PC    | Premium Class | RF     | Reface         |
| GT           | Galled Thread          | TP        | Thread Pitting     | SP       | Seal Pitting             | TD       | Thread Damage | SD    | Seal Damage   | M      | Mashed         |
| 1            | 100 % Coating          | 2         | 99-71 % Coating    | 3        | 70-40 % Coating          | 4        | Up to 40 %    | 5     | Nil           | WT     | Wall Thickness |
| Colors Code: |                        | White     | No Defects         | Red      | Crack or Extreme Damage. | Blue     | Damage        | Green | Seal Damage   | Yellow | ACFM           |

|                         |                                                                                     |                    |                |                     |          |                     |  |
|-------------------------|-------------------------------------------------------------------------------------|--------------------|----------------|---------------------|----------|---------------------|--|
| Inspector Name:         | M.Shanzad Ahmed                                                                     | Review By          |                |                     |          |                     |  |
| Qualification:          | ASNT Level II<br>(MT/PT)                                                            | Senior Inspector:  | NAVEED HUSSAIN | Supervisor:         | Hani Ali | Customer Name:      |  |
| Signature:              |  |                    |                |                     |          | Customer Signature: |  |
| Original - Client Files |                                                                                     | Copy - Area Office |                | QC/FN/FLS/03 Rev.00 |          | Dated: 07 Nov 2021  |  |

