

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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## AFTER REPAIR INSPECTION CERTIFICATE OF 8 1/4" BALL CATCHER#HYD825BP112

|                                                 |                                                                                                                                     |                            |                                                                                                            |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Client Name:</b>                             | <b>AL-ESNAAD OIL SERVICES.LLC</b>                                                                                                   | <b>Report No.:</b>         | AL-ESNAD-QC-24-SEP-006                                                                                     |
| <b>Acceptance Criteria:</b>                     | <input checked="" type="checkbox"/> API SPEC 7-2                                                                                    | <b>Date of Inspection:</b> | 01.SEP.2024                                                                                                |
| <b>Work Location:</b>                           | ABERDEEN WORKSHOP BASRA IRAQ                                                                                                        | <b>COMPANY NAME.:</b>      | AL-ESNAAD                                                                                                  |
| <b>TEST EQUIPMENT &amp; CONSUMABLE DETAILS</b>  |                                                                                                                                     |                            |                                                                                                            |
| WHITE CONTRAST WCP-2                            | Batch #: 220602 Manufacture: Magnaflux<br>Exp Date: JUN.2025                                                                        | <b>TECHNICAL DETAILS</b>   | Wet Visible Continuous                                                                                     |
| BLACK INK 7HF                                   | Batch#: 220605 Manufacture: Magnaflux<br>Exp Date: JULY.2025                                                                        | COIL(1200 AMP-TURNS/IN     | 22713 Cal.25.JUL.2024<br>Cal Due24.FEB.2025                                                                |
| FLUORESCENT 14HF                                | Batch #: 220306 Manufacture: Magnaflux<br>Exp Date: March.2025                                                                      | A.C HAND YOKE              | PY-10 Cal.25.JUL.2024<br>Cal Due24.FEB.2025                                                                |
| INTENSITY METER                                 | SR#1608000134 CAL.Date Cal. 25.JUL.2024<br>Cal Due 24.FEB.2025                                                                      | UV BLACK LIGHT             | SR#1895313 Cal.25.JUL.2024<br>Cal Due24.FEB.2025                                                           |
| LEAD GAGE                                       | SR#AH07KF0026 GAEMAKER LG-<br>Cal. 25.JUL.2024<br>Cal Due 24.FEB.2025                                                               | THREAD PROFILE GAGE        | SR#21336 Cal. Cal.25.JUL.2024<br>Cal Due24.FEB.2025<br>SR#21335 Cal. Cal.25.JUL.2024<br>Cal Due24.FEB.2025 |
| Magnetic Partical Concentration 7 HF            | 1.2 TO 2.4 ML/100 ML                                                                                                                | WMPT Light Intensity       | 3400 Lux                                                                                                   |
| Magnetic particle concentration flourcent 14 HF | 0.1 TO 0.4 ML/100 ML                                                                                                                | UV LIGHT INTENSITY:        | 3150 μw/cm <sup>2</sup>                                                                                    |
| Magnetism Direction (Longitudinal)              |                                                                                                                                     |                            |                                                                                                            |
| <b>METHODOLOGY:</b>                             | • Through Visual inspection<br>• Dimensional<br>• MPI inspection with Ultraviolet light<br>*Lead Gaiging, & Thread Profile Gaiging. |                            |                                                                                                            |

| Serial No.   | Description       | Connection                                                                                                       |           | Result Inspection |      |      | Dimensional - Inspection |        |                       |                         |                       |                         |         |                      |                      |                       |                       |                         |                              |                           |                           |
|--------------|-------------------|------------------------------------------------------------------------------------------------------------------|-----------|-------------------|------|------|--------------------------|--------|-----------------------|-------------------------|-----------------------|-------------------------|---------|----------------------|----------------------|-----------------------|-----------------------|-------------------------|------------------------------|---------------------------|---------------------------|
|              |                   | Pin                                                                                                              | Box       | Pin               | Box  | Body | Pin                      |        |                       |                         |                       |                         | Box     |                      |                      |                       |                       | Body                    |                              |                           |                           |
|              |                   |                                                                                                                  |           |                   |      |      | OD(In)                   | ID(In) | SRG <sup>□</sup> (In) | SRG W <sup>□</sup> (In) | Pin <sup>□</sup> (In) | Bevel <sup>□</sup> (In) | OD(In)  | CB <sup>□</sup> (In) | CB <sup>□</sup> (In) | BBD <sup>□</sup> (In) | BBL <sup>□</sup> (In) | Bevel <sup>□</sup> (In) | Tongspac e (In) <sup>□</sup> | Box Lth (In) <sup>□</sup> | Overall <sup>□</sup> (In) |
| HYD825BP112  | 8 ¼" BALL CATCHER | -                                                                                                                | 6 5/8"Reg | -                 | Acc. | -    | -                        | -      | -                     | -                       | -                     | 8 ¼"                    | 6 1/16" | 5/8"                 | -                    | -                     | 7 11/16"              | -                       | -                            | -                         |                           |
| Conclusion : |                   | *8 ¼" BALL CATCHER was found "Acceptable" AFTER REPAIR Box Connection At the time of Inspection (Ready for Use). |           |                   |      |      |                          |        |                       |                         |                       |                         |         |                      |                      |                       |                       |                         |                              |                           |                           |

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

|                         |                          |                    |                    |                                         |                            |
|-------------------------|--------------------------|--------------------|--------------------|-----------------------------------------|----------------------------|
| <b>Inspector Name:</b>  | <b>Review By</b>         |                    |                    |                                         |                            |
| <b>Qualification:</b>   | <b>Senior Inspector:</b> | M.SARWAR           | <b>Supervisor:</b> | NAVEED HUSSIN                           | <b>Customer Name:</b>      |
| <b>Signature:</b>       |                          |                    |                    |                                         | <b>Customer Signature:</b> |
| Original - Client Files |                          | Copy - Area Office |                    | QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021 |                            |

