

# Calibration Certificate

Al Takamul Yard, North Rumailah Iraq

•Phone : +964 7810009138 • www.qualitycontrol-iraq • E-mail: op@qualitycontrol-iraq

**Date of Issue:** July 16, 2025

Page 1 of 1

|  |   |
|--|---|
| <b>REQUEST NUMBER</b> : By Mail                    | <b>CUSTOMERS DETAILS</b>  |
| <b>JOB NUMBER</b> : QC-CAL-25270                   | <b>Name</b> : Halliburton Worldwide-Iraq Branch (Sperry)        |
| <b>CERTIFICATE NUMBER</b> : <b>QC-CAL-25270-05</b> | <b>Address</b> : Oil Street, Western Burjessia Basra South Iraq |

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

|  |  |
|--|--|
| <b>Description</b> : Torque Wrench<br><b>Type of Indication</b> : Analog<br><b>Manufacturer</b> : KOBALT<br><b>Model</b> : 747422<br><b>Serial Number</b> : 1513002144<br><b>SAP No.</b> : 300308809<br><b>Calibrated Range</b> : 20 to 100 FT-LB<br><b>Resolution</b> : 1 FT-LB<br><b>Tolerance</b> : ± 4 %<br><b>As Found</b> : In Tolerance | <b>Calibration Date</b> : July 16, 2025<br><b>Calibration Due</b> : <b>July 15, 2026</b><br><b>Last Calibration</b> : NA |
|--|--|



### ENVIRONMENTAL CONDITIONS DURING TEST

|  |   |
|--|---|
| <b>Ambient Temperature</b> : 29 °C ± 2°C | <b>Relative Humidity</b> : 45 %RH ± 5% RH |
|--|---|

### CALIBRATION METHOD

The above equipment has been calibrated in accordance with International Calibration standard # ISO 6789-1:2017

The deviations of the measurements obtained from UUC with respect to reference standards are determined to obtain the error.

### REFERENCE EQUIPMENT USED :

| DESCRIPTION              | MAKE / MODEL          | SERIAL # | CALIBRATION DATE | CALIBRATION DUE DATE |
|--------------------------|-----------------------|----------|------------------|----------------------|
| Torque Wrench Calibrator | Nobar / Pro Test 1500 | 90962    | 5 Nov, 2024      | 4 Nov, 2025          |

### CALIBRATION TEST RESULTS

#### Measurement Data For Torque

#### Clockwise Measurements

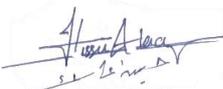
| Readings on UUC | Readings on Ref. Standard (Avg. of 5 Measurements) | Deviation | Error Percentage (Tolerance ±4%) | Uncertainty (95 % C.L) |
|-----------------|--|-----------|----------------------------------|------------------------|
| FT-LB           | FT-LB  | FT-LB     | %                                | ±LB.FT                 |
| 20.0            | 20.17  | -0.17     | -0.1                             | 0.50                   |
| 40.0            | 40.20  | -0.20     | -0.1                             | 0.50                   |
| 60.0            | 60.25  | -0.25     | -0.1                             | 0.50                   |
| 80.0            | 80.40  | -0.40     | -0.2                             | 0.50                   |
| 100.0           | 100.55   | -0.55     | -0.3                             | 0.50                   |

Calibration results were found to conform as per specified accuracy requirements. Above Instrument has **PASSED** its Calibration.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with international practice.

**DEVIATION FROM STANDARD METHOD :** None

- REMARK (S) :**
- The results are as found (no adjustment done).
  - The results are post adjustment.

| CALIBRATED BY   | REVIEWED & APPROVED BY / INCHARGE   | CLIENT |
|---|---|--------|
| <br>Hussein Alaa | <br>LAB INCHARGE Asjad Rafiq |        |