

Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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Date of Issue: March 31, 2024

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REQUEST NUMBER : By Mail JOB NUMBER : QC/JN/24/00173 CERTIFICATE NUMBER : QC240331-10	CUSTOMER DETAILS Name : Halliburton Worldwide IRAQ (Sperry) Address : Western Burjesia, Oil Street, District Zubair-South Iraq
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EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Ring Gauge Manufacturer : N/A Material Type : 4145 Serial Number : ABB001-2022 SAP No : 300312198 Nominal Size : 12-3/16" Ring Gauge Thickness : 0.50" Ring Gauge width : 0.75" Tolerance for Ring Gauge : +0.005" As found Condition : Good	Calibration Date : March 31, 2024 Calibration Due : March 30, 2025 Last Calibration Date : April 1, 2023
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ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature :	35.0 ± 2°C	Humidity :	40.0 ± 5 % RH	Atm. Pressure	1013.6 ± 10 hPa
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CALIBRATION METHOD

- The above equipment has been calibrated in accordance with **DS1**
1. Check That Ring Gauge Is Clearly Identified With Serial Numbers
 2. Clean Ring Gauge Until It's Free Of All Visible Contamination.
 3. Use The Digital Vernier To Check The Ring Gauge Thickness
 4. Use The Digital Vernier To Check The Ring Gauge width
 5. Verify The Ring Gauge inside Diameter In 6 Places By Internal Micrometer
 6. Record Measurement Taken On Calibration Report.

REFERENCE EQUIPMENT USED :

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Vernier Caliper	07414025	Mitutoyo / CD-12CX	15-Feb-24	14-Aug-24
Internal Micrometer	47188813	Mitutoyo / 141-122	15-Feb-24	14-Aug-24

CALIBRATION TEST RESULTS

Actual Diameter Readings For Ring Gauge inside diameter (Inches)						Minimum Ring Gauge Thickness	Minimum Ring Gauge Width
R1	R2	R3	R4	R5	R6		
12.1878	12.1879	12.1878	12.1879	12.1879	12.1875	0.50"	0.75"

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  Mahdi Halim	REVIWED & APPROVED BY  ASJAD RAFIQ LAB INCHARGE	CLIENT Asjad Rafiq
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