Calibration Certificate

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Date of Issue: June 14, 2024

REQUEST NUMBER	: By Email	APPROVED BY : LAB IN CHARGE QC
JOB NUMBER	: QC/JN/24/00240	
CERTIFICATE NUMBER	: **QC240614-01**	

CUSTOMER DETAILS

Name : **Black Gold Gulf Oil And Gas Services Co.Ltd Basra Iraq**
Address : North Rumaila Base south Iraq
Department : Coil Tubing

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Load Cell
Manufacturer : NA
Model : NA
Load Cell name on jam : CC-15K-0730
Serial Number : **M0011808042**
MTT Controller S/N : **A20020136 / MTT-400-00**
Test Equipment S/N : **2003015Zg**
Maximum Rated Full-Scale Force : 15K lbs
Force Range : 0 K lbs to 15K lbs
As Found : In Tolerance
Location : QC Labs North Rumailah
Calibrated By : Hussein Alaa
Calibration Date : June 14, 2024
Calibration Due : Recommended Validity : one (1) year from the date of calibration, (Where Required) June 13, 2025

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature :	22 °C	±	2 °C
Relative Humidity :	45 %RH	±	5 %RH

CALIBRATION METHOD

The above equipment has been calibrated in accordance with International Calibration Procedure # ASTM E74-13a

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

TRACEABILITY

The measurements made by Quality Control Labs, realize the physical units of measurements (SI), through its state of the art calibration standards that are controlled and maintained by QC.

CERTIFICATE OF CALIBRATION

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REFERENCE EQUIPMENT USED :

DESCRIPTION	MAKE	MODEL #	SERIAL #	CALIBRATION DATE	CALIBRATION DUE DATE
Load Cell	ZEMIC	BM14A-C3-40T	TA906164	November 2, 2023	November 1, 2024

CALIBRATION TEST RESULTS

Measurement Data For Force

Zero or Offset Readings of UUC

Before Adjustment	After Adjustment
K lbs	K lbs
0	0

Sensitivty Factor	3.00
Correction Factor	1.0025

Readings on UUC	Readings on JAM MTT	Error	Uncertainty (95 % C.L)
K lbs	K lbs	K lbs	±K lbs
0	0.00	0.00	0
500	499.00	0.01	0.2
1000	998.00	0.02	0.2
2000	1994.00	0.06	0.2
5000	4998.00	0.02	0.2
7500	7499.00	0.01	0.2
10000	9997.00	0.03	0.2

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.

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