

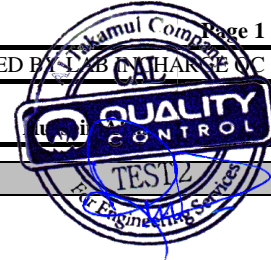
Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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

Date of Issue: January 24, 2025

REQUEST NUMBER	: By Contract	APPROVED BY: ABDULRAHMAN LOAY
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-126	



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CUSTOMER DETAILS

Name : Honghua Oil & Gas Engineering Services Limited
Address : Basra, South Iraq
Department : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Weight Indicator
Manufacturer : NOV MD Totco
Model : NA
Serial Number : B1932-68
Location : Driller Cabin
Type : Analog
Range : 0 to 490 KN
Calibrated Range : 0 to 410 KN
Resolution : 5 KN
F/S Calibration : 990.6 psi = 410 Kn
Accuracy Class : 2.5
Tolerance : ±2.5 % of Full Scale
As found : In Tolerance
Calibrated By : Abdulrahman Loay
Calibration Date : January 24, 2025
Calibration Due : **23 January 2026**
Last Calibration Date : NA



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. Overload test was not performed.
3. No accessories were fitted.
4. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 25.0 ± 2°C **Humidity** : 44.0 ± 5 % RH **Atm. Pressure** : 1011.0 ± 10 hPa

CALIBRATION METHOD

The above equipment has been calibrated in accordance with Calibration Procedure QC/CP/R/03 Rev. 01
 The above instrument has been calibrated in increasing and decreasing pressure mode using a Digital Pressure Calibrator as the reference standard having traceability to Internationally recognised standards.

REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Pressure Gauge	468802	AMETEK / XP2i	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Applied Pressure	Expected Value or Ref Standard Value(A)	Actual Measured Value (M)	Deviation (D=M-A)	Full Scale Error
Kn	Kn	Kn	Kn	%
0	0.00	0.00	0.00	0.00
250.0	103.47	105.00	1.53	0.3
494.0	204.46	205.00	0.54	0.1
744.0	307.93	308.00	0.07	0.0
989.0	409.34	410.00	0.66	0.1

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

- The results are as found (no adjustment done).
 The results are post adjustment.

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Date of Issue: January 24, 2025

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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-127	

CUSTOMER DETAILS

Name : **Honghua Oil & Gas Engineering Services Limited**
Address : Basra, South Iraq
Department : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Tong Line Pull Gauge
Manufacturer : NOV MD Totco
Model : NA
Serial Number : B67A-20
Location : Driller Cabin
Type : Analog
Range : 0 to 51 MPa
Calibrated Range : 0 to 51 MPa
Resolution : 1 MPa
Accuracy Class : 1.0
Tolerance : 1.0 % of Full Scale
As found : In Tolerance
Calibrated By : Abdulrahman Loay
Calibration Date : January 24, 2025
Calibration Due : 23 January 2026
Last Calibration Date : NA



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. Overload test was not performed.
3. No accessories were fitted.
4. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 25.0 ± 2°C Humidity : 44.0 ± 5 % RH Atm. Pressure : 1011.0 ± 10 hPa

CALIBRATION METHOD

The above equipment has been calibrated in accordance with Calibration Procedure QC/CP/R/03 Rev. 01
The above instrument has been calibrated in increasing and decreasing pressure mode using a Digital Pressure Calibrator as the reference standard having traceability to Internationally recognised standards.

REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Pressure Gauge	468802	AMETEK / XP2i	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
MPa	MPa	MPa	±
0	0	0.00	0.0
10.0	10.03	-0.03	-0.1
25.0	25.05	-0.05	-0.1
35.0	35.08	-0.08	-0.2
51.0	51.11	-0.11	-0.2

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

- The results are as found (no adjustment done).
- The results are post adjustment.

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Date of Issue: January 24, 2025

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REQUEST NUMBER	: By Contract	APPROVED BY: 
JOB NUMBER	: QC-CAL-25030	
CERTIFICATE NUMBER	: QC-CAL-25030-128	

CUSTOMER DETAILS

Name : **Honghua Oil & Gas Engineering Services Limited**
 Address : Basra, South Iraq
 Department : HH008

EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : Pressure Tong Line Pull Gauge
 Manufacturer : NOV MD Totco
 Model : NA
 Serial Number : B1193-37
 Location : Driller Cabin
 Type : Analog
 Range : 0 to 24500 Pounds
 Calibrated Range : 0 to 24500 Pounds
 Resolution : 500 Pounds
 Accuracy Class : 1.0
 Tolerance : 1.0 % of Full Scale
 As found : In Tolerance
 Calibrated By : Abdulrahman Loay
 Calibration Date : January 24, 2025
Calibration Due : 23 January 2026
 Last Calibration Date : NA



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. Overload test was not performed.
3. No accessories were fitted.
4. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 25.0 ± 2°C Humidity : 44.0 ± 5 % RH Atm. Pressure 1011.0 ± 10 hPa

CALIBRATION METHOD

The above equipment has been calibrated in accordance with Calibration Procedure QC/CP/R/03 Rev. 01
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REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Pressure Gauge	468802	AMETEK / XP2i	5 Nov, 2024	4 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error Percentage
Pounds	Pounds	Pounds	±
0	0	0.00	0.0
6000.0	6009.0	-9.00	0.0
12000.0	12017.0	-17.00	-0.1
18000.0	18025.0	-25.00	-0.1
24500.0	24533.0	-33.00	-0.1

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

- The results are as found (no adjustment done).
- The results are post adjustment.