

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: November 13, 2024

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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240047	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240047-031	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 359
 Type : Analog
 Location : CTU-5 Injector Head (SAP 12534584)
 Range : 0 to 1000 psi
 Calibrated Range : 0 to 1000 psi
 Resolution : 20 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : November 13, 2024
Calibration Due : 12 November 2025
 Last Calibration : December 4, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	05 Nov, 2024	04 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
250	251.4	-1.40	-0.1
500	501.0	-1.00	-0.1
750	752.0	-2.00	-0.2
1000	1004.0	-4.00	-0.4

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.

CALIBRATED BY	REVIWED & APPROVED BY / LAB INCHARGE	CLIENT
 Abdulrahman Loay	 LAB INCHARGE Asjad Rafiq	

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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240047	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240047-032	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 360
 Type : Analog
 Location : CTU-5 Injector Head (SAP 12534584)
 Range : 0 to 3000 psi
 Calibrated Range : 0 to 3000 psi
 Resolution : 50 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : November 13, 2024
Calibration Due : 12 November 2025
 Last Calibration : December 4, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	05 Nov, 2024	04 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
700	703.0	-3.00	-0.1
1500	1506.0	-6.00	-0.2
2250	2259.0	-9.00	-0.3
3000	3011.0	-11.00	-0.4

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.

CALIBRATED BY	REVIEWED & APPROVED BY / LAB INCHARGE	CLIENT
 Abdulrahman Loay	 LAB INCHARGE Asjad Rafiq	

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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240047	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240047-033	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 361
 Type : Analog
 Location : CTU-5 Injector Head (SAP 12534584)
 Range : 0 to 5000 psi
 Calibrated Range : 0 to 5000 psi
 Resolution : 100 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : November 13, 2024
Calibration Due : 12 November 2025
 Last Calibration : December 4, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	05 Nov, 2024	04 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
1200	1208.0	-8.00	-0.2
2500	2510.0	-10.00	-0.2
3700	3713.0	-13.00	-0.3
5000	5016.0	-16.00	-0.3

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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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240047	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240047-034	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 363
 Type : Analog
 Location : CTU-5 Injector Head (SAP 12534584)
 Range : 0 to 3000 psi
 Calibrated Range : 0 to 3000 psi
 Resolution : 50 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : November 13, 2024
Calibration Due : 12 November 2025
 Last Calibration : December 4, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	05 Nov, 2024	04 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
700	704.0	-4.00	-0.1
1500	1506.0	-6.00	-0.2
2250	2260.0	-10.00	-0.3
3000	3013.0	-13.00	-0.4

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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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240047	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240047-034	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 364
 Type : Analog
 Location : CTU-5 Injector Head (SAP 12534584)
 Range : 0 to 3000 psi
 Calibrated Range : 0 to 3000 psi
 Resolution : 50 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : November 13, 2024
Calibration Due : 12 November 2025
 Last Calibration : December 4, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	05 Nov, 2024	04 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
700	703.0	-3.00	-0.1
1500	1507.0	-7.00	-0.2
2250	2260.0	-10.00	-0.3
3000	3012.0	-12.00	-0.4

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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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240047	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240047-036	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 365
 Type : Analog
 Location : CTU-5 Injector Head (SAP 12534584)
 Range : 0 to 3000 psi
 Calibrated Range : 0 to 3000 psi
 Resolution : 50 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : November 13, 2024
Calibration Due : 12 November 2025
 Last Calibration : December 4, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	05 Nov, 2024	04 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
700	705.0	-5.00	-0.2
1500	1507.0	-7.00	-0.2
2250	2261.0	-11.00	-0.4
3000	3014.0	-14.00	-0.5

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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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240047	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240047-037	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 366
 Type : Analog
 Location : CTU-5 Injector Head (SAP 12534584)
 Range : 0 to 1000 psi
 Calibrated Range : 0 to 1000 psi
 Resolution : 20 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : November 13, 2024
Calibration Due : 12 November 2025
 Last Calibration : December 4, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	05 Nov, 2024	04 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
250	251.9	-1.90	-0.2
500	502.0	-2.00	-0.2
750	753.0	-3.00	-0.3
1000	1005.0	-5.00	-0.5

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.

CALIBRATED BY	REVIWED & APPROVED BY / LAB INCHARGE	CLIENT
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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240047	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240047-038	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 367
 Type : Analog
 Location : CTU-5 Injector Head (SAP 12534584)
 Range : 0 to 160 psi
 Calibrated Range : 0 to 160 psi
 Resolution : 2 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : November 13, 2024
Calibration Due : 12 November 2025
 Last Calibration : December 4, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	05 Nov, 2024	04 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
40	39.8	0.20	0.1
80	80.1	-0.10	-0.1
120	120.3	-0.30	-0.2
160	160.5	-0.50	-0.3

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.

CALIBRATED BY	REVIWED & APPROVED BY LAB INCHARGE	CLIENT
 Abdulrahman Loay	 LAB INCHARGE Asjad Rafiq	

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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240047	Name Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240047-039	Address Western Burjesia, Oil Street, District Zubair-South Iraq

Description : **Pressure Gauge**
 Manufacturer : NOV Hydra Rig
 Model : NA
 Serial Number : 362
 Type : Analog
 Location : CTU-5 Injector Head (SAP 12534584)
 Range : 0 to 5000 psi
 Calibrated Range : 0 to 5000 psi
 Resolution : 100 psi
 Accuracy : NA
 Tolerance : ± 1.0 % of Full Scale
 As found : In Tolerance
 Calibration Date : November 13, 2024
Calibration Due : 12 November 2025
 Last Calibration : December 4, 2023



DEVIATION FROM STANDARD METHOD : None

REMARK (S) :

1. No adjustments were made prior to calibration.
2. No accessories were fitted.
3. Values were rounded in computation.

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 35.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1013.0 ± 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	05 Nov, 2024	04 Nov, 2025

CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Full Scale Error %
psi	psi	psi	%
0	0.00	0.00	0.0
1200	1207.0	-7.00	-0.1
2500	2509.0	-9.00	-0.2
3700	3713.0	-13.00	-0.3
5000	5018.0	-18.00	-0.4

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.

CALIBRATED BY	REVIWED & APPROVED BY / LAB INCHARGE	CLIENT
 Abdulrahman Loay	 LAB INCHARGE Asjad Rafiq	