

## 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: October 23, 2024

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REQUEST NUMBER : By Contract		CUSTOMER DETAILS	
JOB NUMBER : QC-YB-240001		Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240001-01		Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : STEWARTS-USA  
 Model : NA  
 Serial Number : **CAL-PG-HPS003**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 20000 psi  
 Calibrated Range : 0 to 20000 psi  
 Resolution : 200 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
5000	5024.0	-24.0	-0.1
10000	10029.0	-29.0	-0.1
15000	15035.0	-35.0	-0.2
20000	20044.0	-44.0	-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.

CALIBRATED BY  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  ASJAD RAFIQ LAB INCHARGE	CLIENT
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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-02</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : SPAN  
 Model : NA  
 Serial Number : **02-0013-X**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 200 psi  
 Calibrated Range : 0 to 200 psi  
 Resolution : 2 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due** : **22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
50	50.3	-0.3	-0.1
100	100.5	-0.5	-0.3
150	150.5	-0.5	-0.3
200	200.7	-0.7	-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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  ASJAD RAFIQ LAB INCHARGE	CLIENT
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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-03</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : SPAN  
 Model : NA  
 Serial Number : **02-0011-X**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 100 psi  
 Calibrated Range : 0 to 100 psi  
 Resolution : 1 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due** : **22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C    Humidity : 15.0 ± 5 % RH    Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
25	24.2	0.8	0.8
50	49.4	0.6	0.6
75	74.4	0.6	0.6
100	99.5	0.5	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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE      Asjad Rafiq	CLIENT
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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-04</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : SPAN  
 Model : NA  
 Serial Number : **02-0352-C**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 200 psi  
 Calibrated Range : 0 to 200 psi  
 Resolution : 5 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
50	51.3	-1.3	-0.6
100	101.3	-1.3	-0.6
150	151.5	-1.5	-0.8
200	201.6	-1.6	-0.8

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   Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE   LAB INCHARGE      Asjad Rafiq	CLIENT
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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-05</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Temperature Gauge**  
 Manufacturer : MURPHY SWICHGAGE  
 Model : NA  
 Serial Number : **CAL-TG-HPS009**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 60 to 100 °C  
 Calibrated Range : 60 to 100 °C  
 Resolution : 10 °C  
 Tolerance : ± 2 °C  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1012.0 ± 10 hPa

### CALIBRATION METHOD

The above equipment has been calibrated in accordance with BS EN13190

The above instrument has been calibrated in increasing and decreasing temperature by using a Metrology well as the reference standard having traceability to Internationally recognised standards.

### REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Metrology well	B85655	FLUKE / 9170	5-Aug-24	4-Aug-25

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Tolerance Limit
°C	°C	°C	± °C
60	60.50	-0.50	2.0
70	70.60	-0.60	2.0
80	80.70	-0.70	2.0
100	100.90	-0.90	2.0

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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE Asjad Rafiq	CLIENT
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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-06</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : SPAN  
 Model : NA  
 Serial Number : **21-0353-B2**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 300 psi  
 Calibrated Range : 0 to 300 psi  
 Resolution : 5 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due** : **22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
75	73.4	1.6	0.5
150	148.7	1.3	0.4
225	223.8	1.2	0.4
300	299.2	0.8	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   Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE   LAB INCHARGE      Asjad Rafiq	CLIENT
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REQUEST NUMBER : By Contract		CUSTOMER DETAILS	
JOB NUMBER : QC-YB-240001		Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240001-07		Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : MURPHY SWICHGAGE  
 Model : NA  
 Serial Number : **AL-PG-HPS010**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 300 psi  
 Calibrated Range : 0 to 300 psi  
 Resolution : 25 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
75	76.2	-1.2	-0.4
150	151.5	-1.5	-0.5
225	226.6	-1.6	-0.5
300	301.8	-1.8	-0.6

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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  ASJAD RAFIQ LAB INCHARGE	CLIENT
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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-08</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : SPAN  
 Model : NA  
 Serial Number : **02-0211-X**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 100 psi  
 Calibrated Range : 0 to 100 psi  
 Resolution : 1 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due** : **22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C    Humidity : 15.0 ± 5 % RH    Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
25	25.4	-0.4	-0.4
50	50.5	-0.5	-0.5
75	75.5	-0.5	-0.5
100	100.7	-0.7	-0.7

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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE      Asjad Rafiq	CLIENT
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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-09</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : SPAN  
 Model : NA  
 Serial Number : **02-223-T**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 6000 psi  
 Calibrated Range : 0 to 6000 psi  
 Resolution : 100 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C    Humidity : 15.0 ± 5 % RH    Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
1500	1508.0	-8.0	-0.1
3000	3011.0	-11.0	-0.2
4500	4516.0	-16.0	-0.3
6000	6020.0	-20.0	-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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  ASJAD RAFIQ LAB INCHARGE	CLIENT
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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-10</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : SPAN  
 Model : NA  
 Serial Number : **02-0221-C**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 6000 psi  
 Calibrated Range : 0 to 6000 psi  
 Resolution : 100 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
1500	1512.0	-12.0	-0.2
3000	3018.0	-18.0	-0.3
4500	4522.0	-22.0	-0.4
6000	6027.0	-27.0	-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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE      Asjad Rafiq	CLIENT
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## Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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Date of Issue: October 23, 2024

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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: QC-YB-240001-11	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : SPAN  
 Model : NA  
 Serial Number : **02-0023-T**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 6000 psi  
 Calibrated Range : 0 to 6000 psi  
 Resolution : 100 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
1500	1483.0	17.0	0.3
3000	2985.0	15.0	0.3
4500	4484.0	16.0	0.3
6000	5988.0	12.0	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.

CALIBRATED BY   Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE   LAB INCHARGE      Asjad Rafiq	CLIENT
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## Certificate of Calibration

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Date of Issue: October 23, 2024

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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: QC-YB-240001-12	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Temperature Gauge**  
 Manufacturer : MURPHY SWICHGAGE  
 Model : NA  
 Serial Number : **CAL-TG-HPS008**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 60 to 140 °C  
 Calibrated Range : 60 to 140 °C  
 Resolution : 10 °C  
 Tolerance : ± 2 °C  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due** : **22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1012.0 ± 10 hPa

### CALIBRATION METHOD

The above equipment has been calibrated in accordance with BS EN13190

The above instrument has been calibrated in increasing and decreasing temperature by using a Metrology well as the reference standard having traceability to Internationally recognised standards.

### REFERENCE EQUIPMENT USED



DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Metrology well	B85655	FLUKE / 9170	5-Aug-24	4-Aug-25

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Tolerance Limit
°C	°C	°C	± °C
60	61.20	-1.20	2.0
80	81.30	-1.30	2.0
110	111.50	-1.50	2.0
140	141.70	-1.70	2.0

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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE Asjad Rafiq	CLIENT
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## Certificate of Calibration

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REQUEST NUMBER : By Contract	CUSTOMER DETAILS
JOB NUMBER : QC-YB-240001	Name <b>Halliburton Worldwide IRAQ (HPS)</b>
CERTIFICATE NUMBER : <b>QC-YB-240001-13</b>	Address Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : NOV Hydra Rig  
 Model : NA  
 Serial Number : **CAL-PG-HPS007**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 200 psi  
 Calibrated Range : 0 to 200 psi  
 Resolution : 5 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
50	50.3	-0.3	-0.1
100	100.5	-0.5	-0.3
150	150.5	-0.5	-0.3
200	200.8	-0.8	-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   Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE   LAB INCHARGE Asjad Rafiq	CLIENT
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REQUEST NUMBER : By Contract	<b>CUSTOMER DETAILS</b>
JOB NUMBER : QC-YB-240001	Name <b>Halliburton Worldwide IRAQ (HPS)</b>
CERTIFICATE NUMBER : <b>QC-YB-240001-15</b>	Address <b>Western Burjesia, Oil Street, District Zubair-South Iraq</b>

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : Mc Daniel Controls  
 Model : NA  
 Serial Number : **CAL-PG-HPS005**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 100 psi  
 Calibrated Range : 0 to 100 psi  
 Resolution : 2 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C Humidity : 15.0 ± 5 % RH Atm. Pressure 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
30	30.2	-0.2	-0.2
50	50.5	-0.5	-0.5
70	70.5	-0.5	-0.5
100	100.8	-0.8	-0.8

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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE Asjad Rafiq	CLIENT
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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-16</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Temperature Gauge**  
 Manufacturer : NA  
 Model : NA  
 Serial Number : **2321**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : -15 to 120 °C  
 Calibrated Range : 50 to 120 °C  
 Resolution : 2 °C  
 Tolerance : ± 2 °C  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C    Humidity : 15.0 ± 5 % RH    Atm. Pressure : 1012.0 ± 10 hPa

### CALIBRATION METHOD

The above equipment has been calibrated in accordance with BS EN13190  
 The above instrument has been calibrated in increasing and decreasing temperature by using a Metrology well as the reference standard  
 having traceability to Internationally recognised standards.

### REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Metrology well	B85655	FLUKE / 9170	5-Aug-24	4-Aug-25

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Tolerance Limit
°C	°C	°C	± °C
50	50.70	-0.70	2.0
70	70.90	-0.90	2.0
90	91.20	-1.20	2.0
120	121.50	-1.50	2.0

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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE      Asjad Rafiq	CLIENT
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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: QC-YB-240001-17	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : SPAN  
 Model : NA  
 Serial Number : **02-0013-T**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 200 psi  
 Calibrated Range : 0 to 200 psi  
 Resolution : 2 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
50	49.3	0.7	0.4
100	99.4	0.6	0.3
150	149.4	0.6	0.3
200	199.6	0.4	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.

CALIBRATED BY  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE      Asjad Rafiq	CLIENT
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## Certificate of Calibration

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REQUEST NUMBER : By Contract		CUSTOMER DETAILS	
JOB NUMBER : QC-YB-240001		Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER : QC-YB-240001-18		Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : NOV Hydra Rig  
 Model : NA  
 Serial Number : **CAL-PG-HPS004**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 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 : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C    Humidity : 15.0 ± 5 % RH    Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
750	757.0	-7.0	-0.2
1500	1512.0	-12.0	-0.4
2250	2265.0	-15.0	-0.5
3000	3018.0	-18.0	-0.6

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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE      Asjad Rafiq	CLIENT
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## Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-19</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Differential Pressure Gauge**  
 Manufacturer : Meriam  
 Model : 60MG.100.B  
 Serial Number : **CAL-DPG-HPS002**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 100 inH2O  
 Calibrated Range : 0 to 100 inH2O  
 Resolution : 1 inH2O  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due** : **22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
inH2O	inH2O	inH2O	%
0	0.0	0.0	0.0
25	25.3	-0.3	-0.3
50	50.5	-0.5	-0.5
75	75.7	-0.7	-0.7
100	100.8	-0.8	-0.8

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  Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE  LAB INCHARGE      Asjad Rafiq	CLIENT
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## Certificate of Calibration

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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-20</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Gauge**  
 Manufacturer : NOV Hydra Rig  
 Model : NA  
 Serial Number : **02-0013-T**  
 Type : Analog  
 Location : TPU (SAP # 10000745)  
 Range : 0 to 200 psi  
 Calibrated Range : 0 to 200 psi  
 Resolution : 5 psi  
 Accuracy : NA  
 Tolerance : ± 1.0 % of Full Scale  
 As found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due** : **22 October 2025**  
 Last Calibration Date : October 12, 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 : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1012.0 ± 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	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Measured Values on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Error of Full Scale %
psi	psi	psi	%
0	0.0	0.0	0.0
50	50.3	-0.3	-0.1
100	100.5	-0.5	-0.3
150	150.6	-0.6	-0.3
200	200.9	-0.9	-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   Abdulrahman Loay	REVIEWED & APPROVED BY LAB INCHARGE   LAB INCHARGE      Asjad Rafiq	CLIENT
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## Certificate of Calibration

Al Takamul Yard, North Rumailah South Iraq

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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-21</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Relief Valve**  
 Manufacturer : NA  
 Model : NA  
 Serial Number : 0C7770.5C  
 Set/Pressure : 250 psi  
 Air Compressor : TPU (SAP # 10000745)  
 Tolerance : ± 3%  
 As Found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration : October 12, 2023



### ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1011.0 ± 10 hPa

### CALIBRATION METHOD

Standard Method API 527 was used to test the unit under test. Test pressure was applied on inlet of unit under test and test was repeated 3 times. Identical repeatings were carried out as recommended in used standard.

### REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Pressure Gauge	1505119397	Sino Instruments / HS108	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Set Pressure on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Tolerance Limit
psi	psi	psi	± psi
250	251.3	-1.3	7.5

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

**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	CLIENT
 Abdulrahman Loay	 LAB INCHARGE      Asjad Rafiq	

## Certificate of Calibration

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REQUEST NUMBER	: By Contract	CUSTOMER DETAILS	
JOB NUMBER	: QC-YB-240001	Name	Halliburton Worldwide IRAQ (HPS)
CERTIFICATE NUMBER	: <b>QC-YB-240001-22</b>	Address	Western Burjesia, Oil Street, District Zubair-South Iraq

### EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Pressure Relief Valve**  
 Manufacturer : NA  
 Model : NA  
 Serial Number : 9424NC  
 Set/Pressure : 250 psi  
 Air Compressor : TPU (SAP # 10000745)  
 Tolerance : ± 3%  
 As Found : In Tolerance  
 Calibration Date : October 23, 2024  
**Calibration Due : 22 October 2025**  
 Last Calibration : October 12, 2023



### ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 22.0 ± 2°C      Humidity : 15.0 ± 5 % RH      Atm. Pressure : 1011.0 ± 10 hPa

### CALIBRATION METHOD

Standard Method API 527 was used to test the unit under test. Test pressure was applied on inlet of unit under test and test was repeated 3 times. Identical repeatings were carried out as recommended in used standard.

### REFERENCE EQUIPMENT USED

DESCRIPTION	SERIAL NO.	MAKE / MODEL	CALIBRATION DATE	CALIBRATION DUE DATE
Digital Pressure Gauge	1505119397	Sino Instruments / HS108	20 Nov, 2023	19 Nov, 2024

### CALIBRATION TEST RESULTS

Set Pressure on Unit Under Calibration (M)	Ref. Standard Values (A)	Deviation (D=M-A)	Tolerance Limit
psi	psi	psi	± psi
250	252.7	-2.7	7.5

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

**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	CLIENT
 Abdulrahman Loay	 LAB INCHARGE      Asjad Rafiq	