Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

QUALITY CONTROL

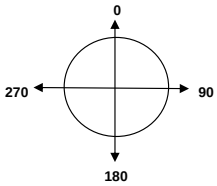
CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-23-11-RS-TSS-181
LOCATION:	TSS (Burjesia Halliburton Camp)	STANDARD:	(ASTM E709&ASTM E 797)
DATE:	Wednesday, November 15, 2023	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-77
W.No:.	325776857	INSP. DUE DATE:	Tuesday, May 14, 2024
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	FRAC Tank Shell 500BBL	SAP NO:	12241586
MANUFACTURER:	Alshirawi Equipment CO L.L.C.		

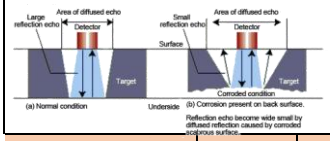
INSPECTION DETAILS



A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C :6'O CLOCK / AFT

* ALL READINGS IN MM

ONLINE TRACEBILITY



POINT NO.	ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS
		0	90	180	270	
12241586	1	7.37	6.29	7.28	7.27	4.67 MM
	2	7.49	6.49	7.47	7.46	4.67 MM
	3	7.52	6.42	7.31	7.44	4.67 MM
	4	7.35	6.38	7.39	7.43	4.67 MM
	5	7.47	6.48	7.26	7.44	4.67 MM
	6	7.37	6.33	7.31	7.39	4.67 MM
	7	7.52	6.59	7.49	7.58	4.67 MM
	8	7.39	6.38	7.38	7.34	4.67 MM
	9	7.43	6.47	7.44	7.46	4.67 MM
VT & MPI	Accepted	* According to ASTM E709 (70.94158)				
UT	Accepted	** According to Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)				

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

U.T-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)

INSPECTION EQUIPMENT DETAILS

AC YOKE S.N:	201504048	CAL DUE DATE	14.FEB.2024
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16.FEB.2024
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16.FEB.2024
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16.FEB.2024
ASTM Test Block:	1657	CAL DUE DATE	14.FEB.2024
Digital Lux Meter WHITE LIGHT INTENSITY: 3140 lux	S.NO:2722003	CAL DUE DATE	16.FEB.2024

TECHNICAL DETAILS

	MANUFACTURE	BATCH NO	EXPIRE DATE
White Contrast WCP-2	Magnaflux	220602	JUN,2025
Black Magnetic Ink 7HF	Magnaflux	220605	JULY.2025
Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		

PERSON DETAILS

INSPECTOR NAME:	[illegible]	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT LEVEL II MT,PT,UT,VT,	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

QUALITY CONTROL

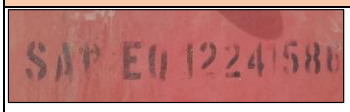
CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

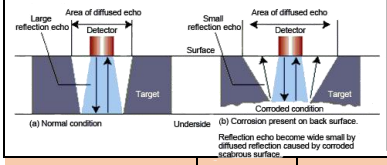
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

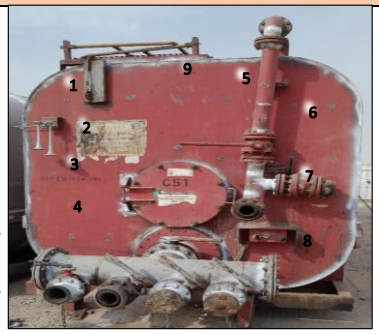
CLIENT:	HALLIBURTON	REPORT No.:	QC-23-11-RS-TSS-182
LOCATION:	TSS (Burjesia Halliburton Camp)	STANDARD:	(ASTM E709&ASTM E 797)
DATE:	Wednesday, November 15, 2023	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-77
W.No:.	325776857	INSP. DUE DATE:	Tuesday, May 14, 2024
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

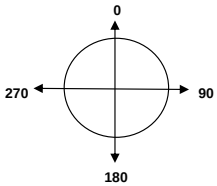
DESCRIPTION:	FRAC Tank Front Shell 500BBL	SAP NO:	12241586
MANUFACTURER:	Alshirawi Equipment CO L.L.C.		

INSPECTION DETAILS









ONLINE TRACEBILITY

A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C :6'O CLOCK / AFT

* ALL READINGS IN MM
**MINIMUM THICKNESS PROVIDED BY CUSTMER

POINT NO.	ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS
		0	90	180	270	
	1	9.27	8.29	9.28	8.31	4.67 MM
12241586	2	9.47	8.43	9.43	8.45	4.67 MM
	3	9.48	8.45	9.29	8.47	4.67 MM
	4	9.55	8.31	9.35	8.44	4.67 MM
	5	9.38	8.46	9.28	8.42	4.67 MM
	6	9.34	8.38	9.39	8.36	4.67 MM
	7	9.51	8.59	9.58	8.53	4.67 MM
	8	9.44	8.31	9.34	8.38	4.67 MM
VT & MPI	Accepted	* According to ASTM E709 (70.94158)				
UT	Accepted	** According to Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)				

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

U.T-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)

INSPECTION EQUIPMENT DETAILS

AC YOKE S.N:	201504048	CAL DUE DATE	14.FEB.2024
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16.FEB.2024
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16.FEB.2024
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16.FEB.2024
ASTM Test Block:	1657	CAL DUE DATE	14.FEB.2024
Digital Lux Meter WHITE LIGHT INTENSITY: 3140 lux	S.NO:2722003	CAL DUE DATE	16.FEB.2024

TECHNICAL DETAILS

White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
	Magnaflux	220602	JUN,2025
Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
	Magnaflux	220605	JULY.2025
Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		

PERSON DETAILS

INSPECTOR NAME:	[illegible]	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT LEVEL II MT,PT,UT,VT,	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

QUALITY CONTROL

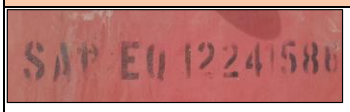
CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

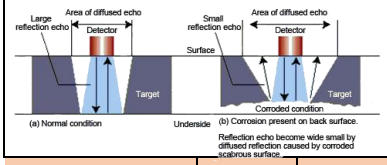
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

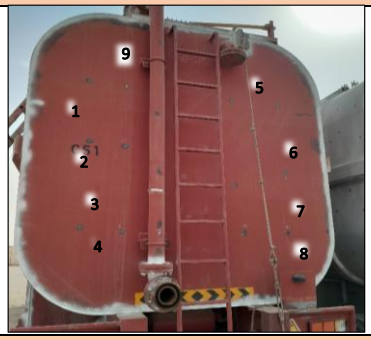
CLIENT:	HALLIBURTON	REPORT No.:	QC-23-11-RS-TSS-183
LOCATION:	TSS (Burjesia Halliburton Camp)	STANDARD:	(ASTM E709&ASTM E 797)
DATE:	Wednesday, November 15, 2023	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-77
W.No:.	325776857	INSP. DUE DATE:	Tuesday, May 14, 2024
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

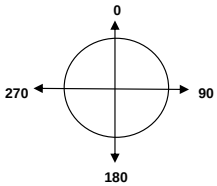
DESCRIPTION:	FRAC Tank Back Shell 500BBL	SAP NO:	12241586
MANUFACTURER:	Alshirawi Equipment CO L.L.C.		

INSPECTION DETAILS









A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C :6'O CLOCK / AFT

* ALL READINGS IN MM

ONLINE TRACEBILITY

POINT NO.	ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS
		0	90	180	270	
12241586	1	9.34	8.43	9.24	8.34	4.67 MM
	2	9.44	8.48	9.43	8.41	4.67 MM
	3	9.41	8.44	9.27	8.42	4.67 MM
	4	9.36	8.35	9.36	8.46	4.67 MM
	5	9.39	8.41	9.26	8.45	4.67 MM
	6	9.37	8.38	9.32	8.37	4.67 MM
	7	9.52	8.59	9.57	8.53	4.67 MM
	8	9.43	8.41	9.36	8.42	4.67 MM
VT & MPI	Accepted	* According to ASTM E709 (70.94158)				
UT	Accepted	** According to Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)				

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

U.T-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	14.FEB.2024	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16.FEB.2024		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16.FEB.2024	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16.FEB.2024		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14.FEB.2024	Fluorescent Magnetic Ink 7HF		1.2 to 2.4 ml/100 ml	
Digital Lux Meter WHITE LIGHT INTENSITY: 3140 lux	S.NO:2722003	CAL DUE DATE	16.FEB.2024				

PERSON DETAILS

INSPECTOR NAME:	[illegible]	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT LEVEL II MT,PT,UT,VT,	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

QUALITY CONTROL

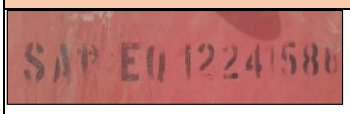
CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

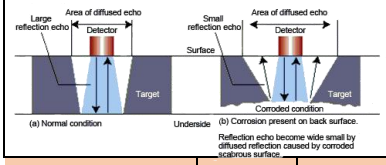
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

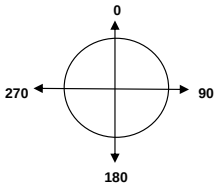
CLIENT:	HALLIBURTON	REPORT No.:	QC-23-11-RS-TSS-184
LOCATION:	TSS (Burjesia Halliburton Camp)	STANDARD:	(ASTM E709&ASTM E 797)
DATE:	Wednesday, November 15, 2023	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-77
W.No:.	325776857	INSP. DUE DATE:	Tuesday, May 14, 2024
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	FRAC Tank Manifold 500BBL	SAP NO:	12241586
MANUFACTURER:	Alshirawi Equipment CO L.L.C.		

INSPECTION DETAILS







A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C :6'O CLOCK / AFT

* ALL READINGS IN MM

ONLINE TRACEBILITY

POINT NO.	ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS
		0	90	180	270	
	1	9.34	8.44	9.29	8.26	4.67 MM
12241586	2	9.45	8.51	9.43	8.37	4.67 MM
	3	9.39	8.37	9.27	8.42	4.67 MM
	4	9.33	8.31	9.36	8.41	4.67 MM
	5	9.37	8.48	9.26	8.46	4.67 MM
	6	9.42	8.37	9.39	8.32	4.67 MM
	7	9.55	8.51	9.62	8.57	4.67 MM
	8	9.44	8.36	9.38	8.35	4.67 MM
VT & MPI	Accepted	* According to ASTM E709 (70.94158)				
UT	Accepted	** According to Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)				

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

U.T-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)

INSPECTION EQUIPMENT DETAILS

AC YOKE S.N:	201504048	CAL DUE DATE	14.FEB.2024
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16.FEB.2024
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16.FEB.2024
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16.FEB.2024
ASTM Test Block:	1657	CAL DUE DATE	14.FEB.2024
Digital Lux Meter WHITE LIGHT INTENSITY: 3140 lux	S.NO:2722003	CAL DUE DATE	16.FEB.2024

TECHNICAL DETAILS

	MANUFACTURE	BATCH NO	EXPIRE DATE
White Contrast WCP-2	Magnaflux	220602	JUN,2025
Black Magnetic Ink 7HF	Magnaflux	220605	JULY.2025
Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		

PERSON DETAILS

INSPECTOR NAME:	[illegible]	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT LEVEL II MT,PT,UT,VT,	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

QUALITY CONTROL

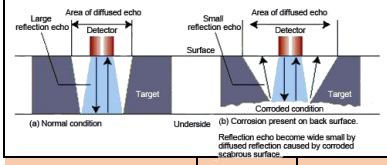
CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

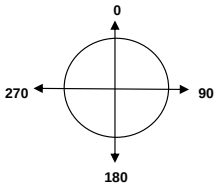
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-23-11-RS-TSS-185
LOCATION:	TSS (Burjesia Halliburton Camp)	STANDARD:	(ASTM E709&ASTM E 797)
DATE:	Wednesday, November 15, 2023	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-77
W.No:.	325776857	INSP. DUE DATE:	Tuesday, May 14, 2024
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

DESCRIPTION:	FRAC Tank FILL LINE 150 Psi	SAP NO:	12241586
MANUFACTURER:	Alshirawi Equipment CO L.L.C.		

INSPECTION DETAILS





A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C :6'O CLOCK / AFT

* ALL READINGS IN MM

ONLINE TRACEBILITY

POINT NO.	ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS
		0	90	180	270	
	1	6.35	5.44	5.33	6.29	4.67 MM
12241586	2	6.43	5.51	5.45	6.42	4.67 MM
	3	6.44	5.41	5.27	6.48	4.67 MM
	4	6.37	5.37	5.37	6.40	4.67 MM
	5	6.46	5.44	5.28	6.43	4.67 MM
	6	6.35	5.42	5.34	6.37	4.67 MM
	7	6.52	5.56	5.67	6.55	4.67 MM
	8	6.42	5.41	5.32	6.36	4.67 MM
VT & MPI	Accepted	* According to ASTM E709 (70.94158)				
UT	Accepted	** According to Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)				

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

U.T-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)

INSPECTION EQUIPMENT DETAILS

AC YOKE S.N:	201504048	CAL DUE DATE	14.FEB.2024
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16.FEB.2024
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16.FEB.2024
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16.FEB.2024
ASTM Test Block:	1657	CAL DUE DATE	14.FEB.2024
Digital Lux Meter WHITE LIGHT INTENSITY: 3140 lux	S.NO:2722003	CAL DUE DATE	16.FEB.2024

TECHNICAL DETAILS

	MANUFACTURE	BATCH NO	EXPIRE DATE
White Contrast WCP-2	Magnaflux	220602	JUN,2025
Black Magnetic Ink 7HF	Magnaflux	220605	JULY.2025
Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		

PERSON DETAILS

INSPECTOR NAME:	[illegible]	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT LEVEL II MT,PT,UT,VT,	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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Basra, North Rumaila, Quality Control Yard - Iraq

QUALITY CONTROL

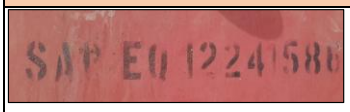
CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION

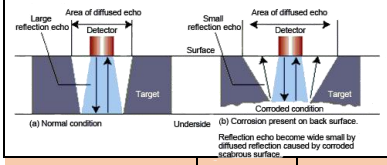
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

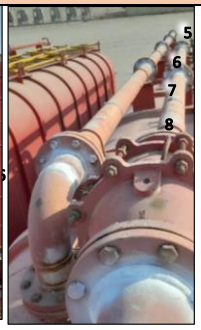
CLIENT:	HALLIBURTON	REPORT No.:	QC-23-11-RS-TSS-186
LOCATION:	TSS (Burjesia Halliburton Camp)	STANDARD:	(ASTM E709&ASTM E 797)
DATE:	Wednesday, November 15, 2023	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-77
W.No:.	325776857	INSP. DUE DATE:	Tuesday, May 14, 2024
TYPE OF INSPECTION:	VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		

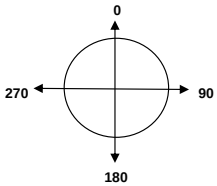
DESCRIPTION:	FRAC Tank RELIEF LINE 150 Psi	SAP NO:	12241586
MANUFACTURER:	Alshirawi Equipment CO L.L.C.		

INSPECTION DETAILS









A:12'O CLOCK / FORWARD
B:3'O CLOCK / CENTER
C :6'O CLOCK / AFT

* ALL READINGS IN MM

ONLINE TRACEBILITY

POINT NO.	ANGLE	THICKNESS AT POSITION				MINIMUM THICKNESS
		0	90	180	270	
	1	6.34	5.45	5.34	6.28	4.67 MM
12241586	2	6.39	5.48	5.45	6.42	4.67 MM
	3	6.41	5.42	5.29	6.44	4.67 MM
	4	6.39	5.34	5.36	6.43	4.67 MM
	5	6.43	5.41	5.32	6.41	4.67 MM
	6	6.37	5.46	5.34	6.35	4.67 MM
	7	6.53	5.57	5.66	6.57	4.67 MM
	8	6.34	5.44	5.37	6.36	4.67 MM
VT & MPI	Accepted	* According to ASTM E709 (70.94158)				
UT	Accepted	** According to Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)				

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

U.T-The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-77 (ASTM E 797)

INSPECTION EQUIPMENT DETAILS

AC YOKE S.N:	201504048	CAL DUE DATE	14.FEB.2024
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16.FEB.2024
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16.FEB.2024
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16.FEB.2024
ASTM Test Block:	1657	CAL DUE DATE	14.FEB.2024
Digital Lux Meter WHITE LIGHT INTENSITY: 3140 lux	S.NO:2722003	CAL DUE DATE	16.FEB.2024

TECHNICAL DETAILS

	MANUFACTURE	BATCH NO	EXPIRE DATE
White Contrast WCP-2	Magnaflux	220602	JUN,2025
Black Magnetic Ink 7HF	Magnaflux	220605	JULY.2025
Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		

PERSON DETAILS

INSPECTOR NAME:	[illegible]	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT LEVEL II MT,PT,UT,VT,	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

Original - Client Files Copy - Area Office QC/FN/PT/077 Rev.00 DATED 07.NOV. 2021

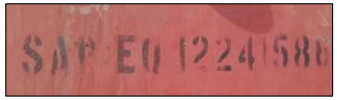
Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

QUALITY CONTROL

CERTIFICATION OF VISUAl, THOROUGH EXAMINATON & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON(TSS)	**Report No:**	QC-23-10-RS-TSS-187
Location:	TSS (Burjesia Halliburton Camp)	**Job Number:**	QC-23-10-RS-TSS-1405
Date:	Wednesday, November 15, 2023	Next Inspection Date:	Tuesday, May 14, 2024
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	**Specification:**	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)



UNIT DESCRIPTION:	**FRAC TANK 500BBL**
UNIT S/N:	**12241586**
DIMENSIONS:	**11.50 M(L) X 2.50 M(W) X 2.70 M(H)**
WO NO:	**325776857**

INSPECTION RESULT :

VISUAL , THOROUGH EXAMINATION	Unit fully inspected and found free from deforms, cracks, corrosion & mechanical damage
MAGNETIC PARTICLE INSPECTION	Welds & forgn areas inspected and found free from cracks and other defects
FINAL RESULTS	unit found satisfactory and free of defects at the time of inspection

COMMENT:

Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast

EQUIPMENT DETAILS

Equipment:	ASTM Test Block	**Equipment:**	Digital Lux Meter WHITE LIGHT INTENSITY: 3540 lux	**Equipment:**	AC/DC Yoke PERMANET HAND MAGNATIC
S.No:	1657	**S.No:**	S.NO:2722003	**S.No:**	201504048 USA PYO-019CM (PY-02)
Cal Due Date:	**14.FEB.2024**	**Cal Due Date:**	**16.FEB.2024**	**Cal Due Date:**	**14.FEB.2024**
Whie Contrast Paint Manufacture:	Magnaflux	**Batch No:**	220602	EXPIRE DATE:	JUN,2025

TECHNICAL DETAILS		**Black Magnetic Ink Manufacture:7HF**	
Black Magnetic Ink Concentration 7 HF	1.2 to 2.4 ml/100 ml	Batch No:220605	
		EXPIRE DATE:	1.JULY.2025

PERSON DETAILS

INSPECTOR NAME:	
AIZAZ FAHRAT	
QUALIFICATION: ASNT LEVEL II MT & PT & VT	
STAMP & SIGNATURE:	Al Takamul Company NDT QUALITY CONTROL 2 For Engineering Services

REVIEW BY

SENIOR INSPECTOR:	MOHAMMAD ABDULLAH
SUPERVISOR:	ASHRAF ELSAID
CLIENT:	

ASNT Corporate Partner
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