

**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



CERTIFICATE OF THOROUGH EXAMINATION & NDT

This Certificate complies with the requirements of the ASTM & Lifting Equipment Operations and Lifting Equipment Regulations

Client Name:	HALLIBURTON	Location:	HPS YARD	Report No:	QC-HalL-24-0397/01
Date of Examination:	13.11.2024	Due Date:	12.05.2025	Job Number:	QC-HalL-24-0397
Serial No:	Item Description				Final Remarks
ISA01	ADJUSTABLE ADOPTER				Satisfactory
Type of Inspection	Visual & Magnetic Particle Inspection				
Reference Standard	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				



VISUAL, THOROUGH EXAMINATION	The above-mentioned equipment is visually Inspected and Found Free from Deformations, Corrosion, And Other Defects.
MAGNETIC PARTICLE INSPECTION	M.P.I Has Been Done on Available Critical Areas and Found Free from Cracks and Other Defects.
FINAL RESULTS	As Per the Client Specification, the Inspected Areas Was Accepted at The Time of Inspection Useable.

NDT Equipment Details

Equipment	AC YOKE	Serial No:	201504048	Cal Due Date	11-Apr-2025
Equipment	Digital Lux Meter	Serial No:	2722003	Cal Due Date	13-Apr-2025
Equipment	AC-Yoke Test Block	Serial No:	1657	Cal Due Date	11-Apr-2025
White Contrast WCP-2	Magnaflux	Batch No:	220602	Expiry Date:	JULY.2025
Black Ink 7HF	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025
White Light Intensity:	3630 lux	Magnetic Partical Concentration 7HF		1.2 to 2.4 ml/100 ml	

ASNT Level II / LEEA Inspector Name:	Reviewed By: NDT LEVEL II	Signature & Stamp		Client Signature & Stamp
ASHRAF ELSAID	MOHAMED ABDALLAH			

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION & NDT

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Client Name:	HALLIBURTON	Location:	HPS YARD	Report No:	QC-Hall-24-0397/02
Date of Examination:	13.11.2024	Due Date:	12.05.2025	Job Number:	QC-Hall-24-0397
Serial No:	Item Description				Final Remarks
ISA02	ADJUSTABLE ADOPTER				Satisfactory
Type of Inspection	Visual & Magnetic Particle Inspection				
Reference Standard	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				



VISUAL, THOROUGH EXAMINATION	The above-mentioned equipment is visually Inspected and Found Free from Deformations, Corrosion, And Other Defects.
MAGNETIC PARTICLE INSPECTION	M.P.I Has Been Done on Available Critical Areas and Found Free from Cracks and Other Defects.
FINAL RESULTS	As Per the Client Specification, the Inspected Areas Was Accepted at The Time of Inspection Useable.

NDT Equipment Details					
Equipment	AC YOKE	Serial No:	201504048	Cal Due Date	14-Oct-2024
Equipment	Digital Lux Meter	Serial No:	2722003	Cal Due Date	16-Oct-2024
Equipment	AC-Yoke Test Block	Serial No:	1657	Cal Due Date	14-Oct-2024
White Contrast WCP-2	Magnaflux	Batch No:	220602	Expiry Date:	JUN,2025
Black Ink 7HF	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025
White Light Intensity:	3630 lux	Magnetic Partical Concentration 7HF		1.2 to 2.4 ml/100 ml	

ASNT Level II / LEAA Inspector Name:	Reviewed By: NDT LEVEL II	Signature & Stamp	Client Signature & Stamp
ASHRAF ELSAID	MOHAMED ABDALLAH		

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





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Client	HALLIBURTON	Report No:	QC-Hall-24-0397/03
Item Description	TRAILAR	Job No:	QC-Hall-24-0397
General Scope of Activity	Coiled Tubing Unit-5 Trailar Structure	Date of Inspection	13.11.2024
Place of Inspection	HPS Yard	Valid Until:	12.05.2025

This is to certify that the undersigned did at the request of Halliburton, Al Burjesia Base attend their facilities at HPS Department on 13.11.2024 in order to carry out the scope of services as described below.

1.0 Scope of Activity:

- 1.1) Visual Inspection of Coil Tubing Unit – **Trailer Structure**
- 1.2) Functional Test of vehicle.
- 1.3) Review of maintenance records and Previous reports
- 1.4) Issue of Report.

2.0 Summary of Inspection:

- 2.1) Thorough visual inspection of Coil Tubing Unit- **TRAILAR STRUCTURE, SAP No- 12534581** was carried out and found satisfactory.
- 2.2) Functional Test of Vehicle.
- 2.3) The maintenance record of the vehicle was reviewed.

3.0 Identification of item(s) verified & Details of Inspection:

A) TRAILAR STRUCTURE

SAP No:	12534581
Location:	Coiled Tubing Unit - CTU 05

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION

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3.1) Visual Inspection:

- The visual Inspection of the **TRAILAR STRUCTURE** was carried out as follows:
- The **Structure welds** of the **TRAILAR** were inspected and **NO** visible damages observed
- No visual damages on **Painting** were observed on the external surfaces.

FINAL RESULT: PASS

3.2) Functional Test:

The Function test of the **TRUCK HEAD** was carried out as follow:

- Movement.
- Breaks.
- Electricals
- Hydraulics
- Indicators

FINAL RESULT: PASS

3.3) Review of maintenance Record:

The maintenance records and test reports accessories were reviewed and found satisfactory

FINAL RESULT: PASS

4.0 CONCLUSION:

The above **TRAILAR** was found to be in satisfactory condition after carrying out necessary inspection and tests subjected to proper maintenance according to manufacturer recommendation.

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.



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Photographs Of Activity



	INSPECTED & PREPARED BY	REVIEWED & APPROVED BY	CLIENT SIGNATURE & STAMP
NAME:	ASHRAF ELSAID LEEA NDT LEVEL II	MOHAMED ABDALLAH LEEA NDT LEVEL II	
DESIGNATION	Inspector	Supervisor	
SIGNATURE & SEAL			

REV:01 DATED: 20 JUNE 2022

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





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Client	HALLIBURTON	Report No:	QC-HalL-24-0397/04
Item Description	TRUCK HEAD	Job No:	QC-HalL-24-0397
General Scope of Activity	Coiled Tubing Unit-7 Truck Head Structure	Date of Inspection	13.11.2024
Place of Inspection	HPS Yard	Valid Until:	12.05.2025

This is to certify that the undersigned did at the request of Halliburton, Al Burjesia Base attend their facilities at HPS Department on 13.11.2024 in order to carry out the scope of services as described below.

1.0 Scope of Activity:

- 1.1) Visual Inspection of Coil Tubing Unit – **Truck Head Structure**
- 1.2) Functional Test of vehicle.
- 1.3) Review of maintenance records and Previous reports
- 1.4) Issue of Report.

2.0 Summary of Inspection:

- 2.1) Thorough visual inspection of Coil Tubing Unit- **TRUCK HEAD STRUCTURE, SAP No- 11404830** was carried out and found satisfactory.
- 2.2) Functional Test of Vehicle.
- 2.3) The maintenance record of the vehicle was reviewed.

3.0 Identification of item(s) verified & Details of Inspection:

A) TRUCK HEAD STRUCTURE

SAP No:	11404830
REG No:	1895- BASRA
Location:	Coiled Tubing Unit - CTU 05

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION

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3.1) Visual Inspection:

- The visual Inspection of the **TRUCK HEAD STRUCTURE** was carried out as follows:
- The **Structure welds** of the **TRUCK HEAD** were inspected and NO visible damages observed
- No visual damages on **Painting** were observed on the external surfaces.

FINAL RESULT: PASS

3.2) Functional Test:

The Function test of the **TRUCK HEAD** was carried out as follow:

- Movement.
- Breaks.
- Electricals
- Hydraulics
- Indicators
- Head Lights

FINAL RESULT: PASS

3.3) Review of maintenance Record:

The maintenance records and test reports accessories were reviewed and found satisfactory

FINAL RESULT: PASS

4.0 CONCLUSION:

The above **TRUCK HEAD** was found to be in satisfactory condition after carrying out necessary inspection and tests subjected to proper maintenance according to manufacturer recommendation.

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Photographs Of Activity



	INSPECTED & PREPARED BY	REVIEWED & APPROVED BY	CLIENT SIGNATURE & STAMP
NAME:	ASHRAF ELSAID LEEA NDT LEVEL II	MOHAMED ABDALLAH LEEA NDT LEVEL II	
DESIGNATION	Inspector	Supervisor	
SIGNATURE & SEAL			

REV:01 DATED: 20 JUNE 2022

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Client	HALLIBURTON	Report No:	QC-HalL-24-0397/05
Item Description	CABIN	Job No:	QC-HalL-24-0397
General Scope of Activity	Coiled Tubing Unit-7 Cabin Structure	Date of Inspection	13.11.2024
Place of Inspection	HPS Yard	Valid Until:	12.05.2025

This is to certify that the undersigned did at the request of Halliburton, Al Burjesia Base attend their facilities at HPS Department on 13.11.2024 in order to carry out the scope of services as described below.

1.0 Scope of Activity:

- 1.1) Visual Inspection of Coil Tubing Unit – **CABIN Structure**
- 1.2) Functional Test of Hydraulic Jacks.
- 1.3) Review of maintenance records and Previous reports
- 1.4) Issue of Report.

2.0 Summary of Inspection:

- 2.1) Thorough visual inspection of Coil Tubing Unit- **CABIN STRUCTURE**, SAP No- **12534583** was carried out and found satisfactory.
- 2.2) Functional Test of Hydraulic Jacks.
- 2.3) The maintenance record of the vehicle was reviewed.

3.0 Identification of item(s) verified & Details of Inspection:

A) CABIN STRUCTURE

SAP No:	12534583
Location:	Coiled Tubing Unit - CTU 07

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION

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3.1) Visual Inspection:

- The visual Inspection of the Coil Tubing Unit- **CABIN STRUCTURE** was carried out as follows:
- The **Structure welds** of the **CABIN** were inspected and NO visible damages observed
- No visual damages on **Painting** were observed on the external surfaces.

FINAL RESULT: PASS

3.2) Functional Test:

- The Function test of the Coil Tubing Unit- **CABIN STRUCTURE** Hydraulic jacks was done and found satisfactory

FINAL RESULT: PASS

3.3) Review of maintenance Record:

The maintenance records and test reports accessories were reviewed and found satisfactory

FINAL RESULT: PASS

4.0 CONCLUSION:

The above Coil Tubing Unit- **CABIN STRUCTURE** was found to be in satisfactory condition after carrying out necessary inspection and tests subjected to proper maintenance according to manufacturer recommendation.

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Photographs Of Activity



	INSPECTED & PREPARED BY	REVIEWED & APPROVED BY	CLIENT SIGNATURE & STAMP
NAME:	ASHRAF ELSAID LEEA NDT LEVEL II	MOHAMED ABDALLAH LEEA NDT LEVEL II	
DESIGNATION	Inspector	Supervisor	
SIGNATURE & SEAL			

REV:01 DATED: 20 JUNE 2022

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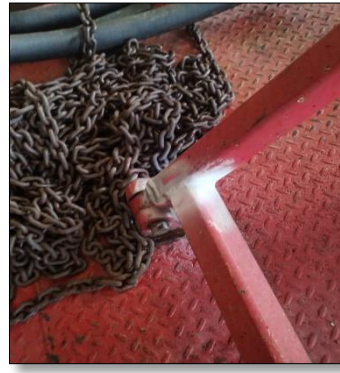
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CERTIFICATE OF THOROUGH EXAMINATION & NDT

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Client Name:	HALLIBURTON	Location:	HPS YARD	Report No:	QC-Hall-24-0397/06
Date of Examination:	13.11.2024	Due Date:	12.05.2025	Job Number:	QC-Hall-24-0397
Serial No:	Item Description				Final Remarks
ST-CTU-05	INJECTOR HEAD STAND				Satisfactory
Type of Inspection	Visual & Magnetic Particle Inspection				
Reference Standard	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)				



VISUAL, THOROUGH EXAMINATION	The above-mentioned equipment is visually Inspected and Found Free from Deformations, Corrosion, And Other Defects.
MAGNETIC PARTICLE INSPECTION	M.P.I Has Been Done on Available Critical Areas and Found Free from Cracks and Other Defects.
FINAL RESULTS	As Per the Client Specification, the Inspected Areas Was Accepted at The Time of Inspection Useable.

NDT Equipment Details					
Equipment	AC YOKE	Serial No:	201504048	Cal Due Date	11-Apr-2025
Equipment	Digital Lux Meter	Serial No:	2722003	Cal Due Date	13-Apr-2025
Equipment	AC-Yoke Test Block	Serial No:	1657	Cal Due Date	11-Apr-2025
White Contrast WCP-2	Magnaflux	Batch No:	220602	Expiry Date:	JULY.2025
Black Ink 7HF	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025
White Light Intensity:	3630 lux	Magnetic Particle Concentration 7HF		1.2 to 2.4 ml/100 ml	

ASNT Level II / LEEA Inspector Name:	Reviewed By: LEEA, NDT LEVEL II	Signature & Stamp	Client Signature & Stamp
ASHRAF ELSAID	MOHAMED ABDALLAH		

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





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Client	HALLIBURTON	Report No:	QC-Hall-24-0397/07
Item Description	REEL	Job No:	QC-Hall-24-0397
General Scope of Activity	Coiled Tubing Unit-5 Reel Structure	Date of Inspection	13.11.2024
Place of Inspection	HPS Yard	Valid Until:	12.05.2025
Reference Standards:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)		

This is to certify that the undersigned did at the request of Halliburton, Al Burjesia Base attend their facilities at HPS Department on 13.11.2024 in order to carry out the scope of services as described below.

1.0 Scope of Activity:

- 1.1) Visual Inspection of Coil Tubing Unit – **Reel Structure**
- 1.2) Magnetic Particle Inspection (MPI).
- 1.3) Review of maintenance records and Previous reports
- 1.4) Issue of Report.

2.0 Summary of Inspection:

- 2.1) Thorough visual inspection of Coil Tubing Unit- **REEL STRUCTURE, ID No- 12534586** and accessories including structure was carried out and found satisfactory.
- 2.2) MPI was performed on accessible **Structure welds, Pad eyes and its associated welds**. The result was found satisfactory.
- 2.3) Dimensions of pad eyes were taken. The result was found satisfactory.
- 2.4) The maintenance record of the vehicle was reviewed.

3.0 Identification of item(s) verified & Details of Inspection:

A) REEL STRUCTURE

ID No	12534586
Location:	Coiled Tubing Unit – CTU-05

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





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3.1) Visual Inspection:

- The visual Inspection of the Coil Tubing Unit- **REEL STRUCTURE** was carried out as follows:
- The **Structure welds** of the Unit were inspected and NO visible damages observed
- The visual Inspection of **Pad Eyes** was done and found satisfactory.
- No visual damages on **Painting** were observed on the external surfaces.

FINAL RESULT: PASS

3.2) Magnetic Particle Inspection (MPI):

Magnetic particle Inspection was performed on the following components.:

- Accessible **Structure Welds**
- **Pad Eyes** and its Associated welds

FINAL RESULT: PASS

3.3) Review of maintenance Record:

The maintenance records and test reports accessories were reviewed and found satisfactory

FINAL RESULT: PASS

4.0 CONCLUSION:

The above Coil Tubing Unit- **REEL STRUCTURE** was found to be in satisfactory condition after carrying out necessary inspection and tests subjected to proper maintenance according to manufacturer recommendation.

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





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Photographs Of Activity



PAD EYE DIMENSION				
Serial No:	S1 , S2			SWL
THICK.	HOLE	HEIGHT	WIDTH	
14 mm	17 mm	58 mm	114 mm	2 TON



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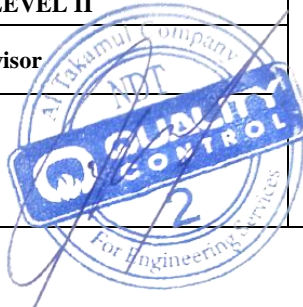
PAD EYE DIMENSION				
Serial No:	PE-03, PE-04			SWL
THICK.	HOLE	HEIGHT	WIDTH	
51 mm	78 mm	162 mm	255mm	55 TON

PAD EYE DIMENSION				
Serial No:	RPE-01, RPE-02			SWL
THICK.	HOLE	HEIGHT	WIDTH	
51 mm	78 mm	162 mm	255mm	55 TON

NDT Equipment Details

Equipment	AC YOKE	Serial No:	201504048	Cal Due Date	11-Apr-2025
Equipment	Digital Lux Meter	Serial No:	2722003	Cal Due Date	13-Apr-2025
Equipment	AC-Yoke Test Block	Serial No:	1657	Cal Due Date	11-Apr-2025
White Contrast WCP-2	Magnaflux	Batch No:	220602	Expiry Date:	JULY.2025
Black Ink 7HF	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025
White Light Intensity:	3630 lux	Magnetic Particle Concentration 7HF	1.2 to 2.4 ml/100 ml		

	INSPECTED & PREPARED BY	REVIEWED & APPROVED BY	CLIENT SIGNATURE & STAMP
NAME:	ASHRAF ELSAID LEEA NDT LEVEL II	MOHAMED ABDALLAH LEEA NDT LEVEL II	
DESIGNATION	Inspector	Supervisor	
SIGNATURE & SEAL			

REV:01 DATED: 20 JUNE 2022

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION & NDT

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Client	HALLIBURTON	Report No:	QC-Hall-24-0397/08
Item Description	REEL	Job No:	QC-Hall-24-0397
General Scope of Activity	Coiled Tubing Unit-5 Reel Structure	Date of Inspection	13.11.2024
Place of Inspection	HPS Yard	Valid Until:	12.05.2025
Reference Standards:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)		

This is to certify that the undersigned did at the request of Halliburton, Al Burjesia Base attend their facilities at HPS Department on 13.11.2024 in order to carry out the scope of services as described below.

1.0 Scope of Activity:

- 1.1) Visual Inspection of Coil Tubing Unit – **Hose Reels & Associated Pad Eyes**
- 1.2) Magnetic Particle Inspection (MPI).
- 1.3) Review of maintenance records and Previous reports
- 1.4) Issue of Report.

2.0 Summary of Inspection:

- 2.1) Thorough visual inspection of Coil Tubing Unit- **Hose Reels, Identification No- 331144, 331143** and accessories including structure was carried out and found satisfactory.
- 2.2) MPI was performed on accessible Pad eyes and its associated welds. The result was found satisfactory.
- 2.3) Dimensions of pad eyes were taken. The result was found satisfactory.
- 2.4) The maintenance record of the vehicle was reviewed.

3.0 Identification of item(s) verified & Details of Inspection:

A) Hose Reels

Iden No	331144, 331143
Location:	Coiled Tubing Unit – CTU-05

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.



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3.1) Visual Inspection:

- The visual Inspection of the Coil Tubing Unit- **Hose Reels** were carried out as follows:
- The **Lifting Accessories associated with Hose Reels** were inspected for any visual damages, dents, cracks to the extent of accessibility. The results were satisfactory.
- The visual Inspection of **Pad Eyes** was done and found satisfactory.
- No visual damages on **Painting** were observed on the external surfaces.

FINAL RESULT: PASS

3.2) Magnetic Particle Inspection (MPI):

Magnetic particle Inspection was performed on the following components.:

- **Pad Eyes** and its Associated welds

FINAL RESULT: PASS

3.3) Review of maintenance Record:

The maintenance records and test reports accessories were reviewed and found satisfactory

FINAL RESULT: PASS

4.0 CONCLUSION:

The above Coil Tubing Unit- **Hose Reels** was found to be in satisfactory condition after carrying out necessary inspection and tests subjected to proper maintenance according to manufacturer recommendation.

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.



AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



CERTIFICATE OF THOROUGH EXAMINATION & NDT

This Certificate complies with the requirements of the ASTM & Lifting Equipment Operations and Lifting Equipment Regulations

Photographs Of Activity



THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.



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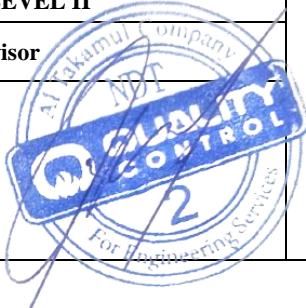
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PAD EYE DIMENSION					PAD EYE DIMENSION				
Serial No:	PE-01			SWL	Serial N	E2-1,E2-2,E2-3,E2-4			SWL
THICK.	HOLE	HEIGHT	WIDTH		THICK.	HOLE	HEIGHT	WIDTH	
40 mm	32 mm	94 mm	168mm	8.5 TON	21 mm	20mm	120 mm	90 mm	3.25 TON

	
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NDT Equipment Details

Equipment	AC YOKE	Serial No:	201504048	Cal Due Date	11-Apr-2025
Equipment	Digital Lux Meter	Serial No:	2722003	Cal Due Date	13-Apr-2025
Equipment	AC-Yoke Test Block	Serial No:	1657	Cal Due Date	11-Apr-2025
White Contrast WCP-2	Magnaflux	Batch No:	220602	Expiry Date:	JULY.2025
Black Ink 7HF	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025
White Light Intensity:	3630 lux	Magnetic Particle Concentration 7HF		1.2 to 2.4 ml/100 ml	

	INSPECTED & PREPARED BY	REVIEWED & APPROVED BY	CLIENT SIGNATURE & STAMP
NAME:	ASHRAF ELSAID LEEA NDT LEVEL II	MOHAMED ABDALLAH LEEA NDT LEVEL II	
DESIGNATION	Inspector	Supervisor	
SIGNATURE & SEAL			

REV:01 DATED: 20 JUNE 2022

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION & NDT

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Client	HALLIBURTON	Report No:	QC-Hall-24-0397/09
Item Description	Injector Head	Job No:	QC-Hall-24-0397
General Scope of Activity	Coil Tubing Unit-5 Injector Head	Date of Inspection	13.11.2024
Place of Inspection	HPS Yard	Valid Until:	12.05.2025
Reference Standards:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)		

This is to certify that the undersigned did at the request of Halliburton, Al Burjesia Base attend their facilities at HPS Department on 13.11.2024 in order to carry out the scope of services as described below.

1.0 Scope of Activity:

- 1.1) Visual Inspection of Coil Tubing Unit – **Injector head and Accessories**
- 1.2) Magnetic Particle Inspection (MPI).
- 1.3) Review of maintenance records and Previous reports
- 1.4) Issue of Report.

2.0 Summary of Inspection:

- 2.1) Thorough visual inspection of Coil Tubing Unit-**Injector head, SAP No- 12534584** and accessories including structure was carried out and found satisfactory.
- 2.2) MPI was performed on accessible structure welds, pad eyes and its associated welds. The result was found satisfactory.
- 2.3) Dimensions of pad eyes were taken. The result was found satisfactory.
- 2.4) The maintenance record of the vehicle was reviewed.

3.0 Identification of item(s) verified & Details of Inspection:

A) Injector Head

SAP NO:	12534584
MANUFACTURER:	HYDRA RIG
YEAR OF MFG.	12-2014
UNIT:	CTU-05

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION & NDT

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3.1) Visual Inspection:

- The visual Inspection of the Coil Tubing Unit- **Injector Head and accessories** were carried out as follows:
- The **Accessories** were inspected for any visual damages, dents, cracks to the extent of accessibility. The results were satisfactory.
- The **Structure welds** of the Unit were inspected and NO visible damages observed
- The visual Inspection of **Stripper** was done and found satisfactory.
- No visual damages on **Painting** were observed on the external surfaces.

FINAL RESULT: PASS

3.2) Magnetic Particle Inspection (MPI):

Magnetic particle Inspection was performed on the following components.:

- Accessible **Structure Welds**
- **Pad Eyes** and its Associated welds
- **Stripper** face
- **Fall Arrestor Pole**

FINAL RESULT: PASS

3.3) Review of maintenance Record:

The maintenance records and test reports accessories were reviewed and found satisfactory

FINAL RESULT: PASS

4.0 CONCLUSION:

The above Coil Tubing Unit- **Injector Head** was found to be in satisfactory condition after carrying out necessary inspection and tests subjected to proper maintenance according to manufacturer recommendation.

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.

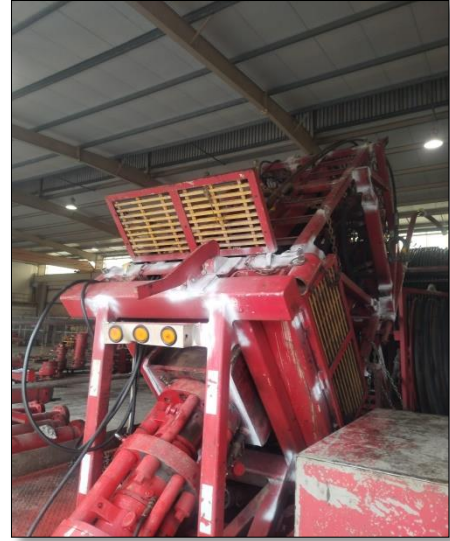
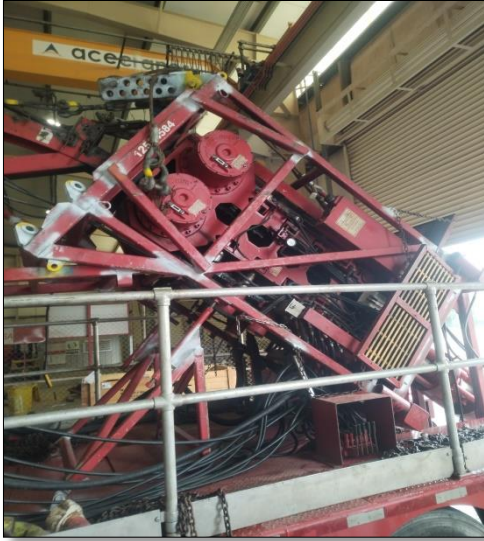




CERTIFICATE OF THOROUGH EXAMINATION & NDT

This Certificate complies with the requirements of the ASTM & Lifting Equipment Operations and Lifting Equipment Regulations

Photographs Of Activity



PAD EYE DIMENSION				
Serial No:	S3, S4			SWL
THICK.	HOLE	HEIGHT	WIDTH	
14 mm	17 mm	58 mm	114 mm	2 TON



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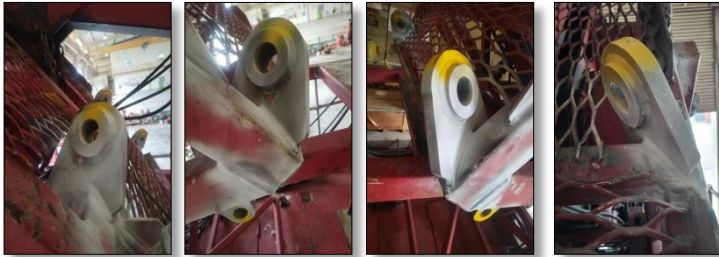


CERTIFICATE OF THOROUGH EXAMINATION & NDT

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PAD EYE DIMENSION				
Serial No:	42133A, 42133B, 42133C, 42133D			
THICK.	HOLE	HEIGHT	WIDTH	SWL
24 mm	26 mm	65 mm	75 mm	17 TON

PAD EYE DIMENSION				
Serial No:	36013A, 36013B, 36013C, 36013D			
THICK.	HOLE	HEIGHT	WIDTH	SWL
24 mm	26 mm	65 mm	75 mm	17 TON



NDT Equipment Details

Equipment	AC YOKE	Serial No:	201504048	Cal Due Date	11-Apr-2025
Equipment	Digital Lux Meter	Serial No:	2722003	Cal Due Date	13-Apr-2025
Equipment	AC-Yoke Test Block	Serial No:	1657	Cal Due Date	11-Apr-2025
White Contrast WCP-2	Magnaflux	Batch No:	220602	Expiry Date:	JULY.2025
Black Ink 7HF	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025
White Light Intensity:	3630 lux	Magnetic Particle Concentration 7HF	1.2 to 2.4 ml/100 ml		

	INSPECTED & PREPARED BY	REVIEWED & APPROVED BY	CLIENT SIGNATURE & STAMP
NAME:	ASHRAF ELSAID LEEAA NDT LEVEL II	MOHAMED ABDALLAH LEEAA NDT LEVEL II	
DESIGNATION	Inspector	Supervisor	
SIGNATURE & SEAL			

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of inspection and considered Safe for Lifting.



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PAD EYE DIMENSION				
Serial No:	S13, S14, S15, S16			
THICK.	HOLE	HEIGHT	WIDTH	SWL
25 mm	31 mm	65 mm	80 mm	6.5 TON

PAD EYE DIMENSION				
Serial No:	S09, S10, S11, S12			SWL
THICK.	HOLE	HEIGHT	WIDTH	
22 mm	20 mm	65 mm	110 mm	3.25 TON



NDT Equipment Details

Equipment	AC YOKE	Serial No:	201504048	Cal Due Date	11-Apr-2025
Equipment	Digital Lux Meter	Serial No:	2722003	Cal Due Date	13-Apr-2025
Equipment	AC-Yoke Test Block	Serial No:	1657	Cal Due Date	11-Apr-2025
White Contrast WCP-2	Magnaflux	Batch No:	220602	Expiry Date:	JULY.2025
Black Ink 7HF	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025
White Light Intensity:	3630 lux	Magnetic Particle Concentration 7HF	1.2 to 2.4 ml/100 ml		

	INSPECTED & PREPARED BY	REVIEWED & APPROVED BY	CLIENT SIGNATURE & STAMP
NAME:	ASHRAF ELSAID LEEAA NDT LEVEL II	MOHAMED ABDALLAH LEEAA NDT LEVEL II	
DESIGNATION	Inspector	Supervisor	
SIGNATURE & SEAL			

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CERTIFICATE OF THOROUGH EXAMINATION & NDT

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Client	HALLIBURTON	Report No:	QC-Hall-24-0397/10
Item Description	GOOSE NECK	Job No:	QC-Hall-24-0397
General Scope of Activity	Coiled Tubing Unit-5 Goose Neck	Date of Inspection	13.11.2024
Place of Inspection	HPS Yard	Valid Until:	12.05.2025
Reference Standards:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)		

This is to certify that the undersigned did at the request of Halliburton, Al Burjesia Base attend their facilities at HPS Department on 13.11.2024 in order to carry out the scope of services as described below.

1.0 Scope of Activity:

- 1.1) Visual Inspection of Coil Tubing Unit – **Goose Neck, Associated Pad Eyes & Lifting Accessories**
- 1.2) Magnetic Particle Inspection (MPI).
- 1.3) Review of maintenance records and Previous reports
- 1.4) Issue of Report.

2.0 Summary of Inspection:

- 2.1) Thorough visual inspection of Coil Tubing Unit- **Goose Neck, SAP No- 12534582** and accessories including structure was carried out and found satisfactory.
- 2.2) MPI was performed on accessible structure welds, pad eyes and its associated welds. The result was found satisfactory.
- 2.3) Dimensions of pad eyes were taken. The result was found satisfactory.
- 2.4) The maintenance record of the vehicle was reviewed.

3.0 Identification of item(s) verified & Details of Inspection:

A) Goose Neck

SAP No	12534582
Location:	Coiled Tubing Unit – CTU-05

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION & NDT

This Certificate complies with the requirements of the ASTM & Lifting Equipment Operations and Lifting Equipment Regulations

3.1) Visual Inspection:

- The visual Inspection of the Coil Tubing Unit- **Goose Neck** were carried out as follows:
- The **Lifting Accessories associated with Goose Neck** were inspected for any visual damages, dents, cracks to the extent of accessibility. The results were satisfactory.
- The **Structure welds** of the Unit were inspected and NO visible damages observed
- The visual Inspection of **Pad Eyes** was done and found satisfactory.
- No visual damages on **Painting** were observed on the external surfaces.

FINAL RESULT: PASS

3.2) Magnetic Particle Inspection (MPI):

Magnetic particle Inspection was performed on the following components.:

- Accessible **Structure Welds**
- **Pad Eyes** and its Associated welds

FINAL RESULT: PASS

3.3) Review of maintenance Record:

The maintenance records and test reports accessories were reviewed and found satisfactory

FINAL RESULT: PASS

4.0 CONCLUSION:

The above Coil Tubing Unit- **Goose Neck** was found to be in satisfactory condition after carrying out necessary inspection and tests subjected to proper maintenance according to manufacturer recommendation.

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION & NDT

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Photographs Of Activity



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PAD EYE DIMENSION					PAD EYE DIMENSION					
Serial No:	S5, S6				SWL	Serial No:	332937A, 332937B, 332937C, 332937D			
THICK.	HOLE	HEIGHT	WIDTH	THICK.		HOLE	HEIGHT	WIDTH	SWL	
25mm	27mm	118mm	126mm	4.75 TON	19mm	22mm	43 mm	77 mm	4.75 TON	

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NDT Equipment Details					
Equipment	AC YOKE	Serial No:	201504048	Cal Due Date	11-Apr-2025
Equipment	Digital Lux Meter	Serial No:	2722003	Cal Due Date	13-Apr-2025
Equipment	AC-Yoke Test Block	Serial No:	1657	Cal Due Date	11-Apr-2025
White Contrast WCP-2	Magnaflux	Batch No:	220602	Expiry Date:	JULY.2025
Black Ink 7HF	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025
White Light Intensity:	3630 lux	Magnetic Particle Concentration 7HF	1.2 to 2.4 ml/100 ml		

	INSPECTED & PREPARED BY	REVIEWED & APPROVED BY	CLIENT SIGNATURE & STAMP
NAME:	ASHRAF ELSAID LEEA NDT LEVEL II	MOHAMED ABDALLAH LEEA NDT LEVEL II	
DESIGNATION	Inspector	Supervisor	
SIGNATURE & SEAL			

REV:01 DATED: 20 JUNE 2022

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION & NDT

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Client	HALLIBURTON	Report No:	QC-24-06/HALL-HPS-CTU-05-11
Item Description	WET KIT	Job No:	QC-24-06/HALL-HPS-01
General Scope of Activity	Coiled Tubing Unit-CTU-05 WET KIT STRUCTURE, ACCUMULATOR UTT	Date of Inspection	02-JUNE-2024
Place of Inspection	HPS Yard	Valid Until:	1-MAY-2025
Reference Standards:	ASTM E797 & ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)		

This is to certify that the undersigned did at the request of Halliburton, Al Burjesia Base attend their facilities at HPS Department on 02-June-2024 in order to carry out the scope of services as described below.

1.0 Scope of Activity:

- 1.1) Visual Inspection of Coil Tubing Unit – **WET KIT STRUCTURE**
- 1.2) Magnetic Particle Inspection (MPI).
- 1.3) Ultrasonic Thickness Testing (UTT)
- 1.4) Review of maintenance records and Previous reports
- 1.5) Issue of Report.

2.0 Summary of Inspection:

- 2.1) Thorough visual inspection of Coil Tubing Unit- **WET KIT STRUCTURE**, SAP No- **12534586** was carried out and found satisfactory.
- 2.2) MPI was performed on accessible **Structure welds, Pad eyes and its associated welds**. The result was found satisfactory.
- 2.3) Ultrasonic Thickness Testing was carried out on **Accumulator**. The result was found satisfactory.
- 2.4) The maintenance record of the vehicle was reviewed.

3.0 Identification of item(s) verified & Details of Inspection:

A) WET KIT STRUCTURE

SAP No	12534629
ACCUMULATOR MFG	HYDRAGIC
Location:	Coiled Tubing Unit - 05

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





CERTIFICATE OF THOROUGH EXAMINATION & NDT

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3.1) Visual Inspection:

- The visual Inspection of the Coil Tubing Unit- **WET KIT STRUCTURE** was carried out as follows:
- The **Structure welds** of the Unit were inspected and NO visible damages observed
- The visual Inspection of **Pad Eyes** was done and found satisfactory.
- The visual Inspection of **Accumulator & Hoses** was done and found satisfactory.
- No visual damages on **Painting** were observed on the external surfaces.

FINAL RESULT: PASS

3.2) Magnetic Particle Inspection (MPI):

Magnetic particle Inspection was performed on the following components.:

- Accessible **Structure Welds**
- **Pad Eyes** and its Associated welds

FINAL RESULT: PASS

3.3) ULTRASONIC THICKNESS TESTING (UTT):

Ultrasonic Thickness Testing was performed on the following components.:

- 15 GALLON ACCUMULATOR BOTTLES (BDY BP MAWP 3000 PSI A 200°F APP 22V15G)

FINAL RESULT: PASS

3.4) Review of maintenance Record:

The maintenance records and test reports accessories were reviewed and found satisfactory

FINAL RESULT: PASS

4.0 CONCLUSION:

The above Coil Tubing Unit- **WET KIT STRUCTURE & UTT of ACCUMULATORS** was found to be in satisfactory condition after carrying out necessary inspection and tests subjected to proper maintenance according to manufacturer recommendation.

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.

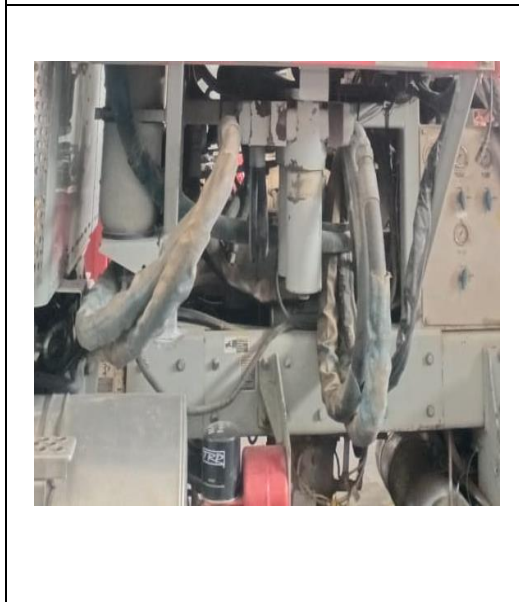
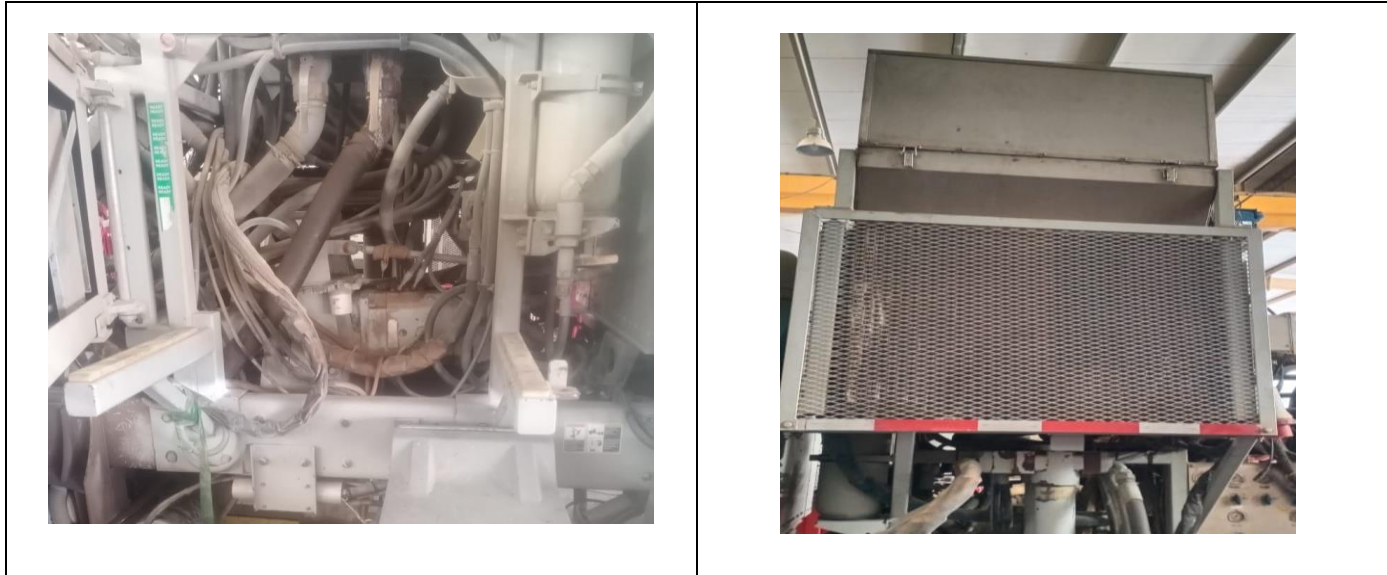




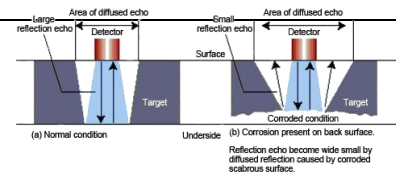
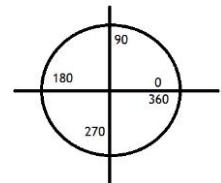
CERTIFICATE OF THOROUGH EXAMINATION & NDT

This Certificate complies with the requirements of the ASTM & Lifting Equipment Operations and Lifting Equipment Regulations

Photographs Of Activity



Ultrasonic Thickness Test of Accumulator Bottle					Serial No:	3901060
SECTION	0*	90*	180*	270*	OEM Min	Result
TOP NECK	0.618	0.578	0.597	0.606	0.500	ACCEPTED
MIDDLE	0.458	0.432	0.422	0.449	0.300	ACCEPTED
BOTTOM NECK	0.621	0.607	0.634	0.613	0.500	ACCEPTED



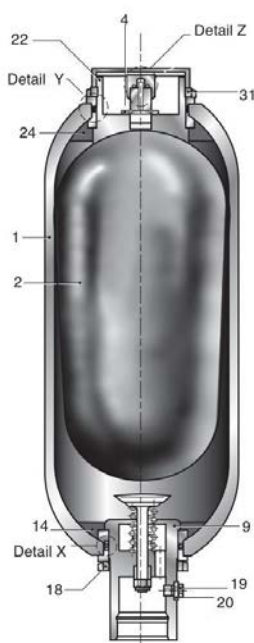
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Ultrasonic Thickness Test of Accumulator Bottle				Serial No:		390106	
	SECTION	0*	90*	180*	270*	OEM Min	Result
1	TOP NECK	0.630	0.599	0.651	0.656	0.500	ACCEPTED
2	MIDDLE	0.452	0.464	0.449	0.465	0.300	ACCEPTED
		0.454	0.452	0.427	0.441		ACCEPTED
		0.457	0.456	0.453	0.450		ACCEPTED
3	BOTTOM NECK	0.657	0.617	0.662	0.587	0.500	ACCEPTED

Ultrasonic Thickness Test of Accumulator Bottle				Serial No:		390088	
	SECTION	0*	90*	180*	270*	OEM Min	Result
1	TOP NECK	0.586	0.616	0.615	0.602	0.500	ACCEPTED
2	MIDDLE	0.441	0.453	0.446	0.443	0.300	ACCEPTED
		0.449	0.439	0.438	0.448		ACCEPTED
		0.442	0.448	0.453	0.433		ACCEPTED
3	BOTTOM NECK	0.619	0.612	0.597	0.579	0.500	ACCEPTED

Ultrasonic Thickness Test of Accumulator Bottle				Serial No:		39007	
	SECTION	0*	90*	180*	270*	OEM Min	Result
1	TOP NECK	0.640	0.602	0.615	0.596	0.500	ACCEPTED
2	MIDDLE	0.459	0.426	0.434	0.451	0.300	ACCEPTED
		0.438	0.435	0.448	0.443		ACCEPTED
		0.443	0.458	0.462	0.437		ACCEPTED
3	BOTTOM NECK	0.629	0.589	0.604	0.596	0.500	ACCEPTED

Ultrasonic Thickness Test of Accumulator Bottle				Serial No:		390060	
	SECTION	0*	90*	180*	270*	OEM Min	Result
1	TOP NECK	0.591	0.601	0.607	0.617	0.500	ACCEPTED
2	MIDDLE	0.428	0.417	0.448	0.432	0.300	ACCEPTED
		0.453	0.419	0.457	0.426		ACCEPTED
		0.415	0.442	0.447	0.431		ACCEPTED
3	BOTTOM NECK	0.622	0.612	0.582	0.588	0.500	ACCEPTED

All Measurement in Inches

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of inspection and considered Safe for Lifting.



**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



CERTIFICATE OF THOROUGH EXAMINATION & NDT

This Certificate complies with the requirements of the ASTM & Lifting Equipment Operations and Lifting Equipment Regulations

NDT Equipment Details					
Equipment	AC YOKE	Serial No:	201504048	Cal Due Date	14-Oct-2024
Equipment	Digital Lux Meter	Serial No:	2722003	Cal Due Date	16-Oct-204
Equipment	AC-Yoke Test Block	Serial No:	1657	Cal Due Date	14-Oct-2024
Equipment	UT Thickness Gauge	Serial No:	5500391	Cal Due Date	14-Oct-2024
Equipment	UT TEST BLOCK	Serial No:	NOBO5087	Cal Due Date	15-Oct-2024
White Contrast WCP-2	Magnaflux	Batch No:	220602	Expiry Date:	JUN,2025
Black Ink 7HF	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025
White Light Intensity:	3630 lux	Magnetic Partical Concentration 7HF		1.2 to 2.4 ml/100 ml	

	INSPECTED & PREPARED BY	REVIEWED & APPROVED BY	CLIENT SIGNATURE & STAMP
NAME:	Aizaz Farhat LEEA NDT LEVEL II	Ashraf Elsaid LEEA NDT LEVEL II	
DESIGNATION	Inspector	Supervisor	
SIGNATURE & SEAL			

REV: 01 Dated: 20 June 2022

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of ASTM & Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.





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Client	HALLIBURTON	Report No:	QC-24-06/HALL-HPS-CTU-05-12
Item Description	AIR TANKS	Job No:	QC-24-06/HALL-HPS-01
General Scope of Activity	Coiled Tubing Unit-5 AIR TANKS STRUCTURE, TANKS UTT	Date of Inspection	02-JUNE-2024
Place of Inspection	HPS Yard	Valid Until:	1-MAY-2025
Reference Standards:	ASTM E797 & ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)		

This is to certify that the undersigned did at the request of Halliburton, Al Burjesia Base attend their facilities at HPS Department on 02-June-2024 in order to carry out the scope of services as described below.

1.0 Scope of Activity:

- 1.1) Visual Inspection of Coil Tubing Unit – **AIR TANKS STRUCTURE**
- 1.2) Magnetic Particle Inspection (MPI).
- 1.3) Ultrasonic Thickness Testing (UTT)
- 1.4) Review of maintenance records and Previous reports
- 1.5) Issue of Report.

2.0 Summary of Inspection:

- 2.1) Thorough visual inspection of Coil Tubing Unit- **AIR TANKS**, was carried out and found satisfactory.
- 2.2) MPI was performed on accessible **Structure welds**. The result was found satisfactory.
- 2.3) Ultrasonic Thickness Testing was carried out on **LEFT SIDE, BOADY & RIGHT SIDE**. The result was found satisfactory.
- 2.4) The maintenance record of the vehicle was reviewed.

3.0 Identification of item(s) verified & Details of Inspection:

A) AIR TANKS

ID No	26241, 26242, 26243, 26244, 26245, 348280
Location:	Coiled Tubing Unit – CTU-05

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3.1) Visual Inspection:

- The visual Inspection of the Coil Tubing Unit- **AIR TANKS STRUCTURE** was carried out as follows:
- The **Structure welds** of the Unit were inspected and NO visible damages observed
- No visual damages on **Painting** were observed on the external surfaces.

FINAL RESULT: PASS

3.2) Magnetic Particle Inspection (MPI):

Magnetic particle Inspection was performed on the following components.:

- Accessible **Structure Welds**

FINAL RESULT: PASS

3.3) ULTRASONIC THICKNESS TESTING (UTT):

Ultrasonic Thickness Testing was performed on the following components.:

- Left Side plate
- Middle Body
- Right Side plate

FINAL RESULT: PASS

3.4) Review of maintenance Record:

The maintenance records and test reports accessories were reviewed and found satisfactory

FINAL RESULT: PASS

4.0 CONCLUSION:

The above Coil Tubing Unit- **AIR TANKS** was found to be in satisfactory condition after carrying out necessary inspection and tests subjected to proper maintenance according to manufacturer recommendation.






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	Ultrasonic Thickness Test of Air Tank Inches				Serial No:		26241		
	SECTION	0*	90*	180*	270*	Mini Thickness	Result		
	1	LEFT SIDE NECK	0.129	0.118	0.121	0.132	0.095	ACCEPTED	
	2	MIDDLE	0.125	0.113	0.105	0.114	0.095	ACCEPTED	
			0.115	0.127	0.113	0.117		ACCEPTED	
3	RIGHT SIDE NECK	0.121	0.127	0.115	0.129	0.095	ACCEPTED		
	Ultrasonic Thickness Test of Air Tank Inches				Serial No:		26242		
	SECTION	0*	90*	180*	270*	Mini Thickness	Result		
	1	LEFT SIDE NECK	0.119	0.133	0.127	0.118	0.095	ACCEPTED	
	2	MIDDLE	0.108	0.112	0.107	0.115	0.095	ACCEPTED	
			0.113	0.125	0.123	0.117		ACCEPTED	
3	RIGHT SIDE NECK	0.132	0.128	0.138	0.126	0.095	ACCEPTED		
	Ultrasonic Thickness Test of Air Tank Inches				Serial No:		26243		
	SECTION	0*	90*	180*	270*	Mini Thickness	Result		
	1	LEFT SIDE NECK	0.137	0.129	0.124	0.134	0.095	ACCEPTED	
	2	MIDDLE	0.113	0.106	0.115	0.103	0.095	ACCEPTED	
			0.117	0.109	0.111	0.116		ACCEPTED	
3	RIGHT SIDE NECK	0.128	0.122	0.134	0.112	0.095	ACCEPTED		
	Ultrasonic Thickness Test of Air Tank Inches				Serial No:		26244		
	SECTION	0*	90*	180*	270*	Mini Thickness	Result		
	1	LEFT SIDE NECK	0.132	0.135	0.128	0.131	0.095	ACCEPTED	
	2	MIDDLE	0.109	0.111	0.113	0.105	0.095	ACCEPTED	
			0.112	0.115	0.107	0.117		ACCEPTED	
3	RIGHT SIDE NECK	0.134	0.136	0.128	0.127	0.095	ACCEPTED		
	Ultrasonic Thickness Test of Air Tank Inches				Serial No:		26245		
	SECTION	0*	90*	180*	270*	Mini Thickness	Result		
		LEFT SIDE NECK	0.136	0.127	0.132	0.126	0.095	ACCEPTED	
		MIDDLE	0.112	0.107	0.119	0.110	0.095	ACCEPTED	
			0.104	0.113	0.117	0.109		ACCEPTED	
3	RIGHT SIDE NECK	0.137	0.131	0.130	0.129	0.095	ACCEPTED		
All Measurement in Inches									

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**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**

Basra, North Rumaila, Quality Control Yard - Iraq

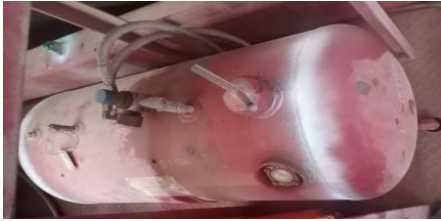
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Ultrasonic Thickness Test of Air Tank Inches				Serial No:		348280	
SECTION	0*	90*	180*	270*	Mini Thickness	Result	
LEFT SIDE NECK	0.128	0.129	0.133	0.127	0.095	ACCEPTED	
	0.117	0.139	0.121	0.112		ACCEPTED	
MIDDLE	0.123	0.129	0.117	0.127	0.095	ACCEPTED	
	0.138	0.132	0.138	0.136		ACCEPTED	

NDT Equipment Details

Equipment	AC YOKE	Serial No:	201504048	Cal Due Date	11-Apr-2025
Equipment	Digital Lux Meter	Serial No:	2722003	Cal Due Date	13-Apr-2025
Equipment	AC-Yoke Test Block	Serial No:	1657	Cal Due Date	11-Apr-2025
Equipment	UT Thickness Gauge	Serial No:	5500391	Cal Due Date	13-Nov-2025
Equipment	UT TEST BLOCK	Serial No:	NOBO5087	Cal Due Date	13-Nov-2025
White Contrast WCP-2	Magnaflux	Batch No:	220602	Expiry Date:	JULY.2025
Black Ink 7HF	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025
White Light Intensity:	3630 lux	Magnetic Partical Concentration 7HF		1.2 to 2.4 ml/100 ml	

	INSPECTED & PREPARED BY	REVIEWED & APPROVED BY	CLIENT SIGNATURE & STAMP
NAME:	Aizaz Farhat LEEA NDT LEVEL II	Ashraf Elsaid LEEA NDT LEVEL II	
DESIGNATION	Inspector	Supervisor	
SIGNATURE & SEAL			

REV: 01 Dated: 20 June 2022

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CERTIFICATE OF THOROUGH EXAMINATION

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Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-013
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397
Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
241013	01	SINGLE LEG CHAIN SLING C/W GRAB HOOK AT THE END Dimension: 15 m (L) x 10 mm (Dia) GRADE: 8 F.O.S: 4:1	3.15 T	N/A	02/06/2024
Reference Standard:		BS EN 818-4/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1			
Is this the first examination after Installation or assembly at a new site or location?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Was the examination carried out: Within an interval of 6 months?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			With an interval of 12 months?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
If the answer to the above question is YES has the equipment been installed correctly?		YES <input type="checkbox"/> NO <input type="checkbox"/>	In accordance with an examination scheme?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			After the occurrence of exceptional circumstances?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:					YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)				N/A	
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE) The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?					YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Name of Inspector:	Name of person authenticating this report:		Signature & Stamp:		
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

REV: 01 Dated: 20 June 2022

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Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-014
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397
Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
161024	01	SINGLE LEG CHAIN SLING C/W GRAB HOOK AT THE END Dimension: 15 m (L) x 10 mm (Dia) GRADE: 8 F.O.S: 4:1	3.15 T	N/A	02/06/2024
Reference Standard:		BS EN 818-4/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1			
Is this the first examination after Installation or assembly at a new site or location?		YES	NO	✓	
If the answer to the above question is YES has the equipment been installed correctly?		YES	NO		
Was the examination carried out:		Within an interval of 6 months?		YES	✓
		Within an interval of 12 months?		YES	NO
In accordance with an examination scheme?		YES	✓	NO	
After the occurrence of exceptional circumstances?		YES		NO	✓
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:				YES	NO
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)				N/A	
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE) The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?				YES	✓
Name of Inspector:	Name of person authenticating this report:		Signature & Stamp:		
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

REV: 01 Dated: 20 June 2022

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Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-16
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397
Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
10623	01	SINGLE LEG CHAIN SLING C/W GRAB HOOK AT BOTH ENDS Dimension: 10 m (L) x 10 mm (Dia) GRADE: 8 F.O.S: 4:1	3.15 T	N/A	02/06/2024
Reference Standard:		BS EN 818-4 / HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1			
Is this the first examination after Installation or assembly at a new site or location?		YES	NO	✓	
If the answer to the above question is YES has the equipment been installed correctly?		YES	NO		
Was the examination carried out: Within an interval of 6 months?		YES	✓	NO	
With an interval of 12 months?		YES		NO	✓
In accordance with an examination scheme?		YES	✓	NO	
After the occurrence of exceptional circumstances?		YES		NO	✓
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:				YES	NO
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)				N/A	
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE) The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?				YES	NO
Name of Inspector:	Name of person authenticating this report:		Signature & Stamp:		
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

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Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-18
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397
Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
2708	01	SAFETY PIN BOW SHACKLE MANUFACTURE: J&L GRADE: 6 SIZE: 7/8" F.O.S: 6:1	6.5 T	N/A	02/06/2024
Reference Standard:		BS EN 13889 / HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1			
Is this the first examination after Installation or assembly at a new site or location?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Was the examination carried out:		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			Within an interval of 6 months?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			With an interval of 12 months?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
If the answer to the above question is YES has the equipment been installed correctly?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>	In accordance with an examination scheme?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			After the occurrence of exceptional circumstances?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:					<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)					N/A
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE)					
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?					<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Name of Inspector:	Name of person authenticating this report:		Signature & Stamp:		
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

REV: 01 Dated: 20 June 2022

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Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-19
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397
Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
J680835-01D	01	SAFETY PIN BOW SHACKLE MANUFACTURE: CROSBY GRADE: 6 SIZE: 3/4" F.O.S: 6:1	4.75 T	N/A	02/06/2024
Reference Standard:	BS EN 13889 / HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1				
Is this the first examination after Installation or assembly at a new site or location?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Was the examination carried out:		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			Within an interval of 6 months?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			With an interval of 12 months?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
If the answer to the above question is YES has the equipment been installed correctly?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>	In accordance with an examination scheme?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			After the occurrence of exceptional circumstances?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:					<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)					N/A
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE)					
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?					<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Name of Inspector:	Name of person authenticating this report:		Signature & Stamp:		
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

REV: 01 Dated: 20 June 2022

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Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-HalL-24-0397-20
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-HalL-24-0397
Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
B6664A B6664B	02	SAFETY PIN BOW SHACKLE MANUFACTURE: TOYOLIFT GRADE: 6 SIZE: 1 1/2" F.O.S: 6:1	17 T	N/A	02/06/2024
Reference Standard:		BS EN 13889 / HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1			
Is this the first examination after Installation or assembly at a new site or location?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Was the examination carried out: Within an interval of 6 months?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
If the answer to the above question is YES has the equipment been installed correctly?		YES <input type="checkbox"/> NO <input type="checkbox"/>	With an interval of 12 months?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
			In accordance with an examination scheme?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			After the occurrence of exceptional circumstances?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none State NONE) NONE					
Is the above a defect which is of immediate danger to persons:					YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)					N/A
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE) The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?					YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Name of Inspector:	Name of person authenticating this report:		Signature & Stamp:		
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

REV: 01 Dated: 20 June 2022

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.



**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**

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Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



CERTIFICATE OF THOROUGH EXAMINATION

This Certificate complies with the requirements of the Lifting Equipment Operations and Lifting Equipment Regulations

Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-21
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397
Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
3554 3555	02	SINGLE LEG WIRE ROPE SLING MANUFACTURE: SAFETY MARINE Dim: 19 mm X 0.8 m IWRC, Mechanically Spliced with Steel Ferrule F.O.S: 5:1 SOFT EYE X SOFT EYE	4.75 T	N/A	02/06/2024
Reference Standard:		BS EN 13414-1/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1			
Is this the first examination after Installation or assembly at a new site or location?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Was the examination carried out: Within an interval of 6 months?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
If the answer to the above question is YES has the equipment been installed correctly?		YES <input type="checkbox"/> NO <input type="checkbox"/>	With an interval of 12 months?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
			In accordance with an examination scheme?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			After the occurrence of exceptional circumstances?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:				YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)				N/A	
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE) The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?				YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Name of Inspector:	Name of person authenticating this report:		Signature & Stamp:		
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

REV: 01 Dated: 20 June 2022

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CERTIFICATE OF THOROUGH EXAMINATION

This Certificate complies with the requirements of the Lifting Equipment Operations and Lifting Equipment Regulations

Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-HalL-24-0397-22
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-HalL-24-0397
Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
B6664	01	<p align="center"><u>4 LEG WIRE ROPE SLING</u></p> <p>Manufacturer: Safety Marine DIMENSION: One Leg Dim 22 mm(Dia) X 8 FT (L) Other Leg Dim: 22 mm (Dia) X 7.5 FT(L) FOS: 5:1 IWRC, Mechanically Spliced with Steel Ferrule, HARD EYE X HARD EYE</p>	13 TON	N/A	02/06/2024
Reference Standard:	BS EN 13414-1/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1				
Is this the first examination after Installation or assembly at a new site or location?		YES	NO	√	Was the examination carried out: Within an interval of 6 months?
					YES
If the answer to the above question is YES has the equipment been installed correctly?		YES	NO		With an interval of 12 months?
					YES
					In accordance with an examination scheme?
					YES
					After the occurrence of exceptional circumstances?
					YES
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:					YES
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)					N/A
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE)					
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?					YES
					√
					NO
Name of Inspector:	Name of person authenticating this report:		Signature & Stamp:		
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

REV: 01 Dated: 20 June 2022

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CERTIFICATE OF THOROUGH EXAMINATION

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Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-23
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397
Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
A4635A	01	SAFETY PIN BOW SHACKLE MANUFACTURE: CROSBY GRADE: 6 SIZE: 3/4" F.O.S: 6:1	4.75 T	N/A	02/06/2024
Reference Standard:		BS EN 13889 / HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1			
Is this the first examination after Installation or assembly at a new site or location?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Was the examination carried out:		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			Within an interval of 6 months?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			With an interval of 12 months?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
If the answer to the above question is YES has the equipment been installed correctly?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>	In accordance with an examination scheme?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			After the occurrence of exceptional circumstances?		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:					<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)					N/A
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE)					
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?					<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Name of Inspector:	Name of person authenticating this report:		Signature & Stamp:		
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

REV: 01 Dated: 20 June 2022

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Certificate of visual and thorough examination

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Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-24				
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397				
Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination				
B5407A	01	<p style="text-align: center;"><u>SAFETY PIN BOW SHACKLE</u></p> <p>MANUFACTURE: TOYOLIFT</p> <p>SIZE: 3/4"</p> <p>GRADE: 6</p> <p>S.F: 6:1</p>	4.75 TON	N/A	02/06/2024				
Reference Standard:		BS EN 13889/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1							
Is this the first examination after Installation or assembly at a new site or location?		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>YES</td> <td><input type="checkbox"/></td> <td>NO</td> <td><input checked="" type="checkbox"/></td> </tr> </table>		YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	Was the examination carried out:	
YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>						
				Within an interval of 6 months?					
				YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
				With an interval of 12 months?					
				YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>					
If the answer to the above question is YES has the equipment been installed correctly?		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>YES</td> <td><input type="checkbox"/></td> <td>NO</td> <td><input type="checkbox"/></td> </tr> </table>		YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	In accordance with an examination scheme?	
YES	<input type="checkbox"/>	NO	<input type="checkbox"/>						
				YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
				After the occurrence of exceptional circumstances?					
				YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>					
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE									
Is the above a defect which is of immediate danger to persons:				YES	<input type="checkbox"/>				
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)				N/A	<input type="checkbox"/>				
Particulars of any repair, renewal or alteration required to remedy the defect identified above:									
Particulars of any tests carried out as part of the examination: (If none state NONE)									
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory									
IS THIS EQUIPMENT SAFE TO OPERATE?				YES	<input checked="" type="checkbox"/>				
Name of Inspector:		Name of person authenticating this report:		Signature & Stamp:					
ASHRAF ELSAID		MOHAMED ABDALLAH							
Date of Next Thorough Examination:		12/05/2025							



REV: 01 Dated: 20 June 2022

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This Certificate complies with the requirements of the Lifting Equipment Operations and Lifting Equipment Regulations

Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-25				
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397				
Serial Number:	QTY	Description		SWL	Date of manufacture if known:				
K9568B	01	<p style="text-align: center;"><u>SAFETY PIN BOW SHACKLE</u></p> <p>MANUFACTURE: CROSBY</p> <p>SIZE: 3/4"</p> <p>GRADE: 6</p> <p>S.F: 6:1</p>		4.75 TON	N/A				
Reference Standard:		BS EN 13889/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1							
Is this the first examination after Installation or assembly at a new site or location?		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>YES</td> <td><input type="checkbox"/></td> <td>NO</td> <td><input checked="" type="checkbox"/></td> </tr> </table>		YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	Was the examination carried out:	
YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>						
				Within an interval of 6 months?					
				YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
				With an interval of 12 months?					
				YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>					
If the answer to the above question is YES has the equipment been installed correctly?		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>YES</td> <td><input type="checkbox"/></td> <td>NO</td> <td><input type="checkbox"/></td> </tr> </table>		YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	In accordance with an examination scheme?	
YES	<input type="checkbox"/>	NO	<input type="checkbox"/>						
				YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
				After the occurrence of exceptional circumstances?					
				YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>					
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE									
Is the above a defect which is of immediate danger to persons:				YES	<input type="checkbox"/>				
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)				N/A					
Particulars of any repair, renewal or alteration required to remedy the defect identified above:									
Particulars of any tests carried out as part of the examination: (If none state NONE)									
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory									
IS THIS EQUIPMENT SAFE TO OPERATE?				YES	<input checked="" type="checkbox"/>				
Name of Inspector:		Name of person authenticating this report:		Signature & Stamp:					
ASHRAF ELSAID		MOHAMED ABDALLAH							
Date of Next Through Examination:		12/05/2025							



REV: 01 Dated: 20 June 2022

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Certificate of visual and thorough examination

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Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-26
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397
Serial Number:	QTY	Description		SWL	Date of manufacture if known:
655	01	<p style="text-align: center;"><u>SAFETY PIN BOW SHACKLE</u></p> <p>MANUFACTURE: GP</p> <p>SIZE: 1/2"</p> <p>GRADE: 6</p> <p>S.F: 6:1</p>		2 TON	N/A
Reference Standard:		BS EN 13889/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1			
Is this the first examination after Installation or assembly at a new site or location?		YES	NO	Was the examination carried out:	
				Within an interval of 6 months?	
				With an interval of 12 months?	
If the answer to the above question is YES has the equipment been installed correctly?		YES	NO	In accordance with an examination scheme?	
				After the occurrence of exceptional circumstances?	
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:				YES	NO
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)				N/A	
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE)					
The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?				YES	NO
Name of Inspector:	Name of person authenticating this report:	Signature & Stamp:			
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

REV: 01 Dated: 20 June 2022

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CERTIFICATE OF THOROUGH EXAMINATION

This Certificate complies with the requirements of the Lifting Equipment Operations and Lifting Equipment Regulations

Date of Examination:	13/11/2024	Date of Report:	13/11/2024	Certificate No:	QC-Hall-24-0397-28
Client Name:	Halliburton	Location:	HPS	Job Number:	QC-Hall-24-0397
Serial Number:	QTY	Description	SWL	Date of manufacture if known	Date of last thorough examination
TB01 TB02	02	<u>TURNBUCKLE</u> Rigging Screw Turnbuckles (Jaw & Jaw) MANUFACTURER: CROSBY SIZE: 1 1/2" FOS: 5:1	9.71 TON	N/A	02/06/2024
Reference Standard:		BS 4429:1987/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1			
Is this the first examination after Installation or assembly at a new site or location?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Was the examination carried out: Within an interval of 6 months?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
If the answer to the above question is YES has the equipment been installed correctly?		YES <input type="checkbox"/> NO <input type="checkbox"/>	With an interval of 12 months?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
			In accordance with an examination scheme?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			After the occurrence of exceptional circumstances?		YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none state NONE) NONE					
Is the above a defect which is of immediate danger to persons:					YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when)					N/A
Particulars of any repair, renewal or alteration required to remedy the defect identified above:					
Particulars of any tests carried out as part of the examination: (If none state NONE) The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory					
IS THIS EQUIPMENT SAFE TO OPERATE?					YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
Name of Inspector:	Name of person authenticating this report:		Signature & Stamp:		
ASHRAF ELSAID	MOHAMED ABDALLAH				
Date of Next Through Examination:	12/05/2025				

REV: 01 Dated: 20 June 2022

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CERTIFICATION OF VISUAL THOROUGH EXAMINATION AND MAGNETIC PARTICLE INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON (HPS)	REPORT NO:	QC-Hall-24-0397-29
LOCATION:	HPS (Burjesia Halliburton Camp)	JOB NO :	QC-Hall-24-0397
WORK ORDER #	****	STANDARD :	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)
DATE OF INSPECTION :	November 13, 2024	NEXT INSPECTION DATE:	May 12, 2025
TYPE OF INSPECTION:	VISUAL THOROUGH EXAMINATION AND MAGNETIC PARTICLE INSPECTION		
DESCRIPTION:	Coiled Tubing Reel	EQUIPMENT NO:	12534586

PICTURE



INSPECTION RESULT

VISUAL , THOROUGH EXAMINATION	Above Item fully inspected and found freedom from deforms, cracks, corrosion & mechanical damage
MAGNETIC PARTICLE INSPECTION (MPI)	Welds areas inspected and found free from cracks and other defects
FINAL RESULTS	Above Item found satisfactory and free of defects at the time of inspection

INSPECTION EQUIPMENT DETAILS

TECHNICAL DETAILS

AC YOKE S.N:	201504052	CAL DUE DATE	11-Apr-25	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	13-Apr-25		Magnaflux	220602	JUN,2025
ASTM Test Block:	1657	CAL DUE DATE	11-Apr-25	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
WHITE LIGHT INTENSITY:	3620 lux	Black Magnetic Ink Concentration 7 HF	1.2 to 2.4 ml/100 ml		Magnaflux	220605	JULY,2025

INSPECTOR NAME ASHRAF ELSAID		Name of person authenticating this report:	Name & Customer Signature
QUALIFICATION ASNT LEVEL II		MOHAMED ABDALLAH	
MT & PT& VT & UT			





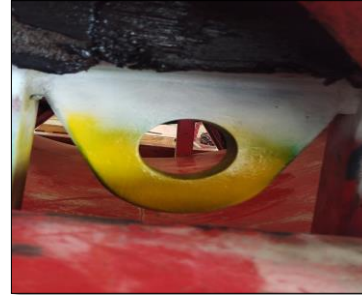
TIFICATION OF VISUAL THOROUGH EXAMINATION AND MAGNETIC PARTICLE INSPECT

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

CLIENT:	HALLIBURTON (HPS)	REPORT NO:	QC-Hall-24-0397-30
LOCATION:	HPS (Burjesia Halliburton Camp)	JOB NO :	QC-Hall-24-0397
WORK ORDER #	*****	STANDARD :	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)
DATE OF INSPECTION :	November 13, 2024	NEXT INSPECTION DATE:	May 12, 2025
TYPE OF INSPECTION:	VISUAL THOROUGH EXAMINATION AND MAGNETIC PARTICLE INSPECTION		

DESCRIPTION:	Coiled Tubing Drum Pad Eyes	EQUIPMENT NO:	12534581
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PAD EYE S.NO:	PAD EYE DIM:	SWL PAD EYE	REMARK
R 001 , R 002	Thickness : 50 mm	55 TON	Satisfactory
	Pin Hole : 77 mm		
	Length : 235 mm		
	Height : 180 mm		



INSPECTION RESULT

VISUAL , THOROUGH EXAMINATION	Above Item fully inspected and found freedom from deforms, cracks, corrosion & mechanical damage
MAGNETIC PARTICLE INSPECTION (MPI)	Pad Eyes & Welds areas inspected and found free from cracks and other defects
FINAL RESULTS	Above Item found satisfactory and free of defects at the time of inspection

INSPECTION EQUIPMENT DETAILS

TECHNICAL DETAILS

AC YOKER S.N:	CAL DUE DATE	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
201504052	11-Apr-25	White Contrast WCP-2	Magnaflux	220602	JUN,2025
Digital Lux Meter WHITE LIGHT	13-Apr-25				
ASTM Test Block:	1657	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
WHITE LIGHT INTENSITY:	3620 lux		Black Magnetic Ink Concentration 7 HF	Magnaflux	220605

INSPECTOR NAME ASHRAF ELSAID	<p>Name of person authenticating this report: MOHAMED ABDALLAH</p>	Name & Customer Signature
QUALIFICATION ASNT LEVEL II		
MT & PT& VT & UT		

