



Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

RIG HILONG 100



ABERDEEN Technical Services Would Like to Thank You for Giving Us the Opportunity to Work With Your Honorable Company

Inspection Date:	25-Dec-2023	Due Date:	24-Dec-2025
Inspector:	Syed Aamir Ali	OEM:	



Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
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Rig Number:	HL-100	Specification:	API RP 4G

The Rig Was Equipped with SJ PETRO-MACHINERY GROUP CO.LTD Mast, with The Following Specification:

Equipment:	Rig Mast
Model / Type:	SJJ180/39
S/N:	180702
Marker:	SJ PETROLEUM MACHINERY CO.
Ref Standard:	API RP 4G
Date Of Manufacture:	07/2018

QTY:	01 set - Telescopic
Max. Rated Static Hook Load (10 effective lines):	1800 KN (404676 lbs)
Height:	39 M / 128 ft
Height of Racking Platform:	-
Set Back Capacity of Racking Platform (4.5" D.P)	-
Max. Rated Designed Wind Velocity with Rated Capacity of Pipe Racked:	30.7 m/sec/ 60 knots
Max. Rated Designed Wind Velocity without Rated Capacity of Pipe Racked:	38.6 m/sec/ 75 knots
Next Examination:	After 5 Years

Remarks:
Detailed reports are attached detailing all readings and results in pages (10-26)

Inspector:	Syed Aamir Ali 	Supervisor:	Hasan Omran
OEM:			



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PROCEDURE	
<ul style="list-style-type: none"> ➤ The Mast Has Been Inspected and Found Conformable to the Relevant Standard. ➤ The Rig was equipped with SJ PETRO-MACHINERY GROUP CO.LTD Mast. ➤ Mast was found partly stripped down /dismantled for CAT III Inspection. 	
Action	Result
1. Thoroughly visually inspect all load bearing members, welds and pick up points to determine the condition of the mast.	Performed
2. Manufacture Name Plate in Place, All Specification of the monkey board Were Obtained from Attached Manufacture Manual and Manufacture Certificate.	Performed
3. Thoroughly visually examine and MPI all of the mast connections and supporting pad eyes to detect any cracks, undercuts, porosity, concavity and any other potential deficiencies.	Performed
4. Thoroughly visual examination and MPI on the DS/ODS A-leg intermediate derrick connecting blocks Assy.	Performed
5. Thoroughly visual examine and MPI the DS/ODS A-leg back side derrick connecting blocks Assy.	Performed
6. Thoroughly visual examine and MPI All loading and connecting Pins. They were Thoroughly Cleaned and Inspected for Signs of Corrosion, Excessive Wear, Stretching, bending, cracks, and fatigues.	Performed
7. All the mast connections and lifting pad eyes were sequentially marked with Hard stencil punches.	Performed
8. Thoroughly visual examine and MPI all the mast lifting blocks and their load pins	Performed
9. Thoroughly visual examine and MPI the stand pipe manifold welding areas.	
10. Prepare and submit the inspection report.	Performed

** Visual and MPI Was Carried Out on the Available Critical& Welding Areas of the Mast and Found **Satisfactory for Further Use.**

** CAT III Inspection Was Carried Out on Mast and Found **Accepted** at The Time of Inspection.

Inspector:	Syed Aamir Ali	<i>Syed Aamir Ali</i>	Supervisor:	Hasan Omran
OEM:				





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PICTORIAL:



井架铭牌
TECHNICAL INFORMATION OF MAST
API SPEC 4F 4th Edition

井架号 MAST NO.	SJ118939
有效绳数 NUMBER OF EFFECTIVE LINES	10
最大静载 MAX. STATIC LOAD	1900 kN 404.6765 lb
最大风速 MAX. WIND SPEED	36.0 m/s 80.7 kph
最大风速(带安全系数) MAX. WIND SPEED WITH FULL SAFETY	38.5 m/s 86.3 kph
最大风速(无安全系数) MAX. WIND SPEED WITHOUT SAFETY	75 kph
井架高度 HEIGHT	33 m
井架重量 WEIGHT	180702 kg 400000 lbs
生产日期 DATE OF MANUFACTURE	07-2018

井架示意图
GUYLINE DIAGRAM

静钩载-风速关系曲线图
STATIC HOOK LOAD-WIND VELOCITY GRAPH

井架铭牌

井架号: SJ118939

井架高度: 33m

井架重量: 180702kg

井架静载: 1900kN

井架最大风速: 36.0m/s

井架最大风速(带安全系数): 38.5m/s

井架最大风速(无安全系数): 75kph

井架生产日期: 07-2018

井架制造商: 中石油机械集团有限公司

井架制造商: PETRO-IM MACHINERY CO.



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Rig Number:	HL-100	Specification:	API RP 4G

INSPECTION CHECKLIST RESULTS:

Mast

01- Legs

01-1-D.S Front Leg

Condition	Accepted	Rejected	Remarks
Symmetry	√		Check at regular frequencies
Visible damage	√		Check at regular frequencies
Pin condition	√		Check at regular frequencies
Pin hole conditions	√		Check at regular frequencies
Safety pins / keepers	√		Check at regular frequencies

01-2-ODS Front Leg

Condition	Accepted	Rejected	Remarks
Symmetry	√		Check at regular frequencies
Visible damage	√		Check at regular frequencies
Pin condition	√		Check at regular frequencies
Pin hole conditions	√		Check at regular frequencies
Safety pins / keepers	√		Check at regular frequencies

01-3-rear leg D.S

Condition	Accepted	Rejected	Remarks
Symmetry	√		Check at regular frequencies
Visible damage	√		Check at regular frequencies
Pin condition	√		Check at regular frequencies
Pin hole conditions	√		Check at regular frequencies
Safety pins / keepers	√		Check at regular frequencies



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01-4-rear leg O.D.S			
Condition	Accepted	Rejected	Remarks
Symmetry	√		Check at regular frequencies
Visible damage	√		Check at regular frequencies
Pin condition	√		Check at regular frequencies
Pin hole conditions	√		Check at regular frequencies
Safety pins / keepers	√		Check at regular frequencies

02- A-Legs or raising assembly.			
Condition	Accepted	Rejected	Remarks
Symmetry	√		Check at regular frequencies
Visible damage	√		Check at regular frequencies
Legs straightness	√		Check at regular frequencies
Pins conditions	√		Check at regular frequencies
Pins holes conditions	√		Check at regular frequencies
Safety pins / keepers	√		Check at regular frequencies
Feet condition	√		Check at regular frequencies
Break over sheave condition	√		Check at regular frequencies
Bridle line anchor	√		Check at regular frequencies
Bridle line sheave and shaft condition	√		Check at regular frequencies
Number of visible marks applied	√		Check at regular frequencies

03- Crown Support Beams			
Condition	Accepted	Rejected	Remarks
Beam straight	√		Check at regular frequencies
Pins & bolts	√		Check at regular frequencies
Safety pins / keepers	√		Check at regular frequencies
Welds	√		Check at regular frequencies

04- Crown Saver Block



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Condition	Accepted	Rejected	Remarks
Safety mesh	√		Check at regular frequencies
Safety cables	√		Check at regular frequencies
Block condition	√		Check at regular frequencies
Attachment strapping	√		Check at regular frequencies
Strapping welds	√		Check at regular frequencies
Number of visible marks applied	√		Check at regular frequencies

05- Ladders			
Condition	Accepted	Rejected	Remarks
Vertical rails straightness	√		Check at regular frequencies
Rails in alignment	√		Check at regular frequencies
Ladders stand offs	√		Check at regular frequencies
Standoff connections	√		Check at regular frequencies
Rail welds	√		Check at regular frequencies
Rungs	√		Check at regular frequencies
Rungs welds	√		Check at regular frequencies
Rung spacing	√		Check at regular frequencies
Access at rig floor	√		Check at regular frequencies
Cage	√		Check at regular frequencies
Toe clearance	√		Check at regular frequencies
Number of visible marks applied	√		Check at regular frequencies

06- Raising, telescoping and guying assemblies			
06-1-Hydraulic system			
Condition	Accepted	Rejected	Remarks
Raising ram condition	√		Check at regular frequencies
Hose and hose ends	√		Check at regular frequencies
Connections	√		Check at regular frequencies



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06-2-Guy line anchorage

Condition	Accepted	Rejected	Remarks
Anchors and dead man	N/A		N/A
Turnbuckles	N/A		N/A
Cable clamps	N/A		N/A
Guy line condition	N/A		N/A
Number of visible marks applied	N/A		N/A

06-2-Tongue Counterweight

Condition	Accepted	Rejected	Remarks
Guides	√		Check at regular frequencies
Weight device	√		Check at regular frequencies
Sheaves / shafts	√		Check at regular frequencies
Wire lines	√		Check at regular frequencies
Cable clamps	√		Check at regular frequencies
Welds	√		Check at regular frequencies
Number of visible marks applied	√		Check at regular frequencies



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07- miscellaneous sheave assemblies			
Condition	Accepted	Rejected	Remarks
Clevis & shackles	√		Check at regular frequencies
Mast pad eyes	√		Check at regular frequencies
Sheaves	√		Check at regular frequencies
Bearings	√		Check at regular frequencies
Shafts	√		Check at regular frequencies
Sheave bolt	√		Check at regular frequencies
Side plate bolts	√		Check at regular frequencies
Bolt safety pins	√		Check at regular frequencies
Grease fittings	√		Check at regular frequencies
Safety lines	√		Check at regular frequencies

Remarks:

***CAT III Inspection Was Performed On The Mast And Found Accepted At The Time Of Inspection:

Inspector Name:	Syed Aamir Ali	Supervisor:	Hasan Omran
Certification:	ASNT LEVEL II VT,MT,PT,UT & LEEA		
OEM:			



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Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Certificate of Thorough Examination & NDT of Lifting Equipment

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-1
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Serial Number: 11180702	Description	Rig Mast Upper Section Weldment Area

NDT Equipment Details

Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-Feb-2024
Vernier Caliper	Digital	Serial No:	8914	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI Carried Out For The Above Description and Found Free Of Surface Defects At The Time Of Inspection

***Identification Of Any Part Found To Have a Defect and a Description Of The Defect: **NONE**

***Particulars Of Any Repair, Renewal or Alteration Required To Remedy The Defect Identified Above: **NONE**

Name of Inspector:	Name of person authenticating this report:	
Syed Aamir Ali	Hasan Omran	
	Signature & Stamp:	
Latest date by which next thorough examination must be carried out: 24-Dec-2025		



Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

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Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-2
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ 032 JJ 033	02	Fabricated Pad Eyes Pad Eye Dimension: Thickness: 22 mm Pin Hole: 60 mm Length: 430 mm Width: 160 mm Location: Rig Mast Upper Section S/N: 11180702	10 Ton	20-Sep-2023
Reference Standard:		LEEA DOC 048:2015		



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? In accordance with an examination scheme? After the occurrence of exceptional circumstances?	YES	✓	NO	
	YES	✓	NO		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: **NONE**

IS THIS EQUIPMENT SAFE TO OPERATE? YES ✓ NO

NDT Equipment Details

Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-Feb-2024
Vernier Caliper	Digital	Serial No:	8914	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI Carried Out For The Above Description and Found Free Of Surface Defects At The Time Of Inspection
 ***Identification Of Any Part Found To Have a Defect and a Description Of The Defect: **NONE**
 ***Particulars Of Any Repair, Renewal or Alteration Required To Remedy The Defect Identified Above: **NONE**

Name of Inspector: Syed Aamir Ali	Name of person authenticating this report: Hasan Omran	
Signature & Stamp:		
Latest date by which next thorough examination must be carried out: 24-June-2024		



Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Certificate of Thorough Examination & NDT of Lifting Equipment

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-3
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ 026 JJ 027	02	Fabricated Pad Eyes Pad Eye Dimension: Thickness: 50 mm Pin Hole: 60 mm Length: 375 mm Width: 150 mm Location: Rig Mast Upper Section S/N: 11180702	10 Ton	20-Sep-2023
Reference Standard:		LEEA DOC 048:2015		



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? In accordance with an examination scheme? After the occurrence of exceptional circumstances?	YES	✓	NO	
	YES	✓	NO		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: **NONE**

IS THIS EQUIPMENT SAFE TO OPERATE? YES NO

NDT Equipment Details

Standard	Viewing Condition:	Colored Media	Method	WET
API RP 4G CAT III & ASTM E709				
Yoke	Permanent	Serial No: PY-10	Due Date	17-Feb-2024
Vernier Caliper	Digital	Serial No: 8914	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No: L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No: L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI Carried Out For The Above Description and Found Free Of Surface Defects At The Time Of Inspection
 ***Identification Of Any Part Found To Have a Defect and a Description Of The Defect: **NONE**
 ***Particulars Of Any Repair, Renewal or Alteration Required To Remedy The Defect Identified Above: **NONE**

Name of Inspector: Syed Aamir Ali	Name of person authenticating this report: Hasan Omran	
	Signature & Stamp:	
Latest date by which next thorough examination must be carried out: 24-June-2024		



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Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Certificate of Thorough Examination & NDT of Lifting Equipment

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Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-4
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ 034 JJ 028	02	Fabricated Pad Eyes Pad Eye Dimension: Thickness: 16 mm Pin Hole: 45 mm Length: 272 mm Width: 150 mm Location: Rig Mast Upper Section S/N: 11180702	5 Ton	20-Sep-2023



Reference Standard:	LEEA DOC 048:2015
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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? In accordance with an examination scheme? After the occurrence of exceptional circumstances?	YES	✓	NO	
	YES	✓	NO		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: NONE

IS THIS EQUIPMENT SAFE TO OPERATE? YES ✓ NO

NDT Equipment Details

Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-Feb-2024
Vernier Caliper	Digital	Serial No:	8914	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

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***Particulars Of Any Repair, Renewal or Alteration Required To Remedy The Defect Identified Above: NONE

Name of Inspector:	Name of person authenticating this report:	
Syed Aamir Ali	Hasan Omran	
	Signature & Stamp:	
Latest date by which next thorough examination must be carried out: 24-June-2024		



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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-5
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ 036 JJ 037	02	Fabricated Pad Eyes Pad Eye Dimension: Thickness: 20 mm Pin Hole: 30 mm Length: 152 mm Width: 90 mm Location: Rig Mast Upper Section S/N: 11180702	5 Ton	20-Sep-2023
Reference Standard:		LEEA DOC 048:2015		



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	✓	NO	
				With an interval of 12 months?	YES		NO	✓
If the answer to the above question is YES has the equipment been installed correctly?	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: NONE

IS THIS EQUIPMENT SAFE TO OPERATE? YES ✓ NO

NDT Equipment Details

Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-Feb-2024
Vernier Caliper	Digital	Serial No:	8914	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

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***Particulars Of Any Repair, Renewal or Alteration Required To Remedy The Defect Identified Above: NONE

Name of Inspector:	Name of person authenticating this report:	
Syed Aamir Ali	Hasan Omran	
	Signature & Stamp:	
Latest date by which next thorough examination must be carried out: 24-June-2024		



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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-6
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ 025 JJ 029	02	Fabricated Pad Eyes Pad Eye Dimension: Thickness: 16 mm Pin Hole: 45 mm Length: 152 mm Width: 152 mm Location: Rig Mast Upper Section S/N: 11180702	5 Ton	20-Sep-2023
Reference Standard:		LEEA DOC 048:2015		



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? In accordance with an examination scheme? After the occurrence of exceptional circumstances?	YES	✓	NO	
	YES	✓	NO		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: **NONE**

IS THIS EQUIPMENT SAFE TO OPERATE? YES ✓ NO

NDT Equipment Details

Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-Feb-2024
Vernier Caliper	Digital	Serial No:	8914	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI Carried Out For The Above Description and Found Free Of Surface Defects At The Time Of Inspection

***Identification Of Any Part Found To Have a Defect and a Description Of The Defect: **NONE**

***Particulars Of Any Repair, Renewal or Alteration Required To Remedy The Defect Identified Above: **NONE**

Name of Inspector:	Name of person authenticating this report:	
Syed Aamir Ali	Hasan Omran	
	Signature & Stamp:	
Latest date by which next thorough examination must be carried out: 24-June-2024		



Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Visual & Magnetic Particles Examination Report

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-7
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Serial Number	Description of the examined equipment	Result
10180702	Rig Mast hydraulic Jacks Connecting Pad Eye	Pass
Connecting point S/N:	J 024 , H 027	



NDT Equipment Details

Standard	API RP 4G CAT IV & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	AC yoke	Serial No:	201504044	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

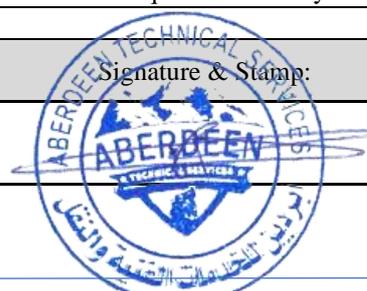
NDT Results

***Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection:

***Identification of any part found to have a defect and a description of the defect: **NONE**

***Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Syed Aamir Ali		24-June-2024





Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Certificate of Thorough Examination & NDT of Lifting Equipment

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-8
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ 038 JJ 039	02	Fabricated Pad Eyes Pad Eye Dimension: Thickness: 20 mm Pin Hole: 60 mm Length: 375 mm Width: 150 mm Location: Rig Mast Lower Section S/N: 10180702	10 Ton	20-Sep-2023
		 		
Reference Standard:		LEEA DOC 048:2015		

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? In accordance with an examination scheme? After the occurrence of exceptional circumstances?	YES	✓	NO	
	YES	✓	NO		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

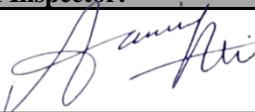
Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when) N/A

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

IS THIS EQUIPMENT SAFE TO OPERATE? YES NO

NDT Equipment Details					
Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-Feb-2024
Vernier Caliper	Digital	Serial No:	8914	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results
 ***Visual and MPI Carried Out For The Above Description and Found Free Of Surface Defects At The Time Of Inspection
 ***Identification Of Any Part Found To Have a Defect and a Description Of The Defect: **NONE**
 ***Particulars Of Any Repair, Renewal or Alteration Required To Remedy The Defect Identified Above: **NONE**

Name of Inspector: Syed Aamir Ali	Name of person authenticating this report: Hasan Omran	
	Signature & Stamp:	
Latest date by which next thorough examination must be carried out: 24-June-2024		



Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

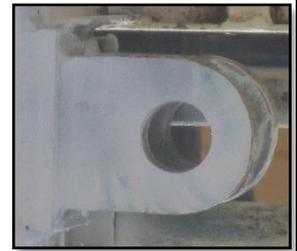
Certificate of Thorough Examination & NDT of Lifting Equipment

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-9
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ 031 JJ 030	02	Fabricated Pad Eyes Pad Eye Dimension: Thickness: 20 mm Pin Hole: 40 mm Length: 115 mm Width: 90 mm Location: Rig Mast Lower Section S/N: 10180702	5 Ton	20-Sep-2023
Reference Standard:		LEEA DOC 048:2015		



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	✓	NO	
	YES	✓	NO	With an interval of 12 months?	YES		NO	✓
If the answer to the above question is YES has the equipment been installed correctly?	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: **NONE**

IS THIS EQUIPMENT SAFE TO OPERATE? YES NO

NDT Equipment Details

Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-Feb-2024
Vernier Caliper	Digital	Serial No:	8914	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI Carried Out For The Above Description and Found Free Of Surface Defects At The Time Of Inspection

***Identification Of Any Part Found To Have a Defect and a Description Of The Defect: **NONE**

***Particulars Of Any Repair, Renewal or Alteration Required To Remedy The Defect Identified Above: **NONE**

Name of Inspector:	Name of person authenticating this report:
Syed Aamir Ali	Hasan Omran
	Signature & Stamp:
Latest date by which next thorough examination must be carried out: 24-June-2024	





Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

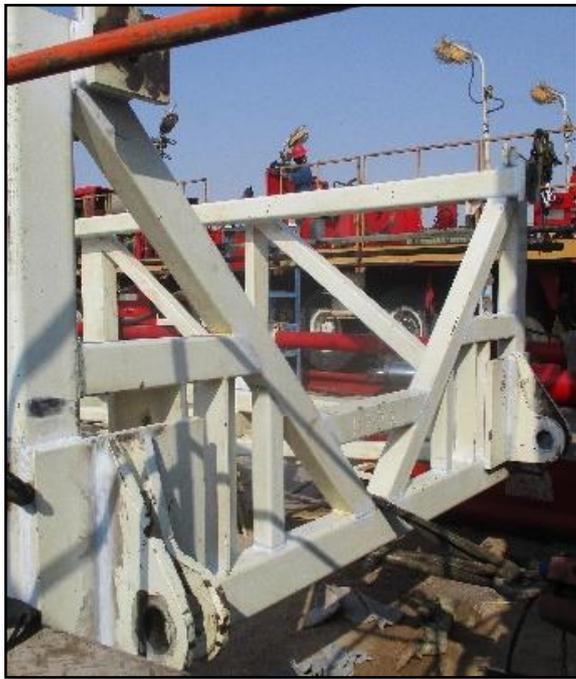
Visual & Magnetic Particles Examination Report

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-10
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Serial Number	Description of the examined equipment	Result
10180702	Rig Mast Lower Section Base Connecting Pad Eye	Pass
Connecting point S/N:	N 505 , H 539	



NDT Equipment Details

Standard	API RP 4G CAT IV & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	AC yoke	Serial No:	201504044	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection:

***Identification of any part found to have a defect and a description of the defect: **NONE**

***Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

ASNT Level II Inspector Name:	Signature & Stamp	Date of Next Through Examination:
Syed Aamir Ali		24-June-2024





Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Certificate of Thorough Examination & NDT of Lifting Equipment

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-11
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ 034 JJ 035 JJ 044 JJ 045	04	Fabricated Pad Eyes Pad Eye Dimension: Thickness: 25 mm Pin Hole: 50 mm Length: 378 mm Width: 130 mm Location: Rig Mast Upper Section S/N: 11180702	8.5 Ton	20-Sep-2023
Reference Standard:		LEEA DOC 048:2015 + ASTM E 709		



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? In accordance with an examination scheme? After the occurrence of exceptional circumstances?	YES	✓	NO	
	YES	✓	NO		YES	✓	NO	
If the answer to the above question is YES has the equipment been installed correctly?	YES	NO			YES	✓	NO	
	YES	✓	NO		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: **NONE**

IS THIS EQUIPMENT SAFE TO OPERATE? YES NO

NDT Equipment Details

Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-Feb-2024
Vernier Caliper	Digital	Serial No:	8914	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI Carried Out For The Above Description and Found Free Of Surface Defects At The Time Of Inspection

***Identification Of Any Part Found To Have a Defect and a Description Of The Defect: **NONE**

***Particulars Of Any Repair, Renewal or Alteration Required To Remedy The Defect Identified Above: **NONE**

Name of Inspector: Syed Aamir Ali	Name of person authenticating this report: Hasan Omran	
	Signature & Stamp:	
Latest date by which next thorough examination must be carried out: 24-June-2024		



Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Visual & Magnetic Particles Examination Report

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-12
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Serial Number	Description of the examined equipment	Result
10180702	Rig Mast Lower Section Base	Pass
Connecting point S/N:	22180102	



NDT Equipment Details

Standard	API RP 4G CAT IV & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	AC yoke	Serial No:	201504044	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection:

***Identification of any part found to have a defect and a description of the defect: **NONE**

***Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Syed Aamir Ali		24-Dec-2025



Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Visual & Magnetic Particles Examination Report

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-13
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Serial Number	Description of the examined equipment	Result
22180102	Rig Mast Lower Section Base Connecting Pad Eye	Pass
Connecting point S/N:	H 504 , JD 70	



NDT Equipment Details

Standard	API RP 4G CAT IV & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	AC yoke	Serial No:	201504044	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection:

***Identification of any part found to have a defect and a description of the defect: **NONE**

***Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Syed Aamir Ali		24-June-2024





Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Visual & Magnetic Particles Examination Report

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-14
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Serial Number	Description of the examined equipment	Result
22180102	Rig Mast Lower Section Base Connecting Pad Eye	Pass
Pad Eye S/N:	ZZ 05, ZZ 06	



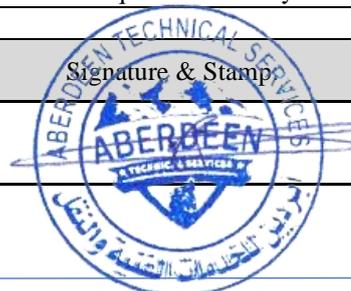
NDT Equipment Details

Standard	API RP 4G CAT IV & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	AC yoke	Serial No:	201504044	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection:
***Identification of any part found to have a defect and a description of the defect: NONE
***Particulars of any repair, renewal or alteration required to remedy the defect identified above: NONE

ASNT Level II Inspector Name:	Signature & Stamp	Date of Next Through Examination:
Syed Aamir Ali		24-June-2024





Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

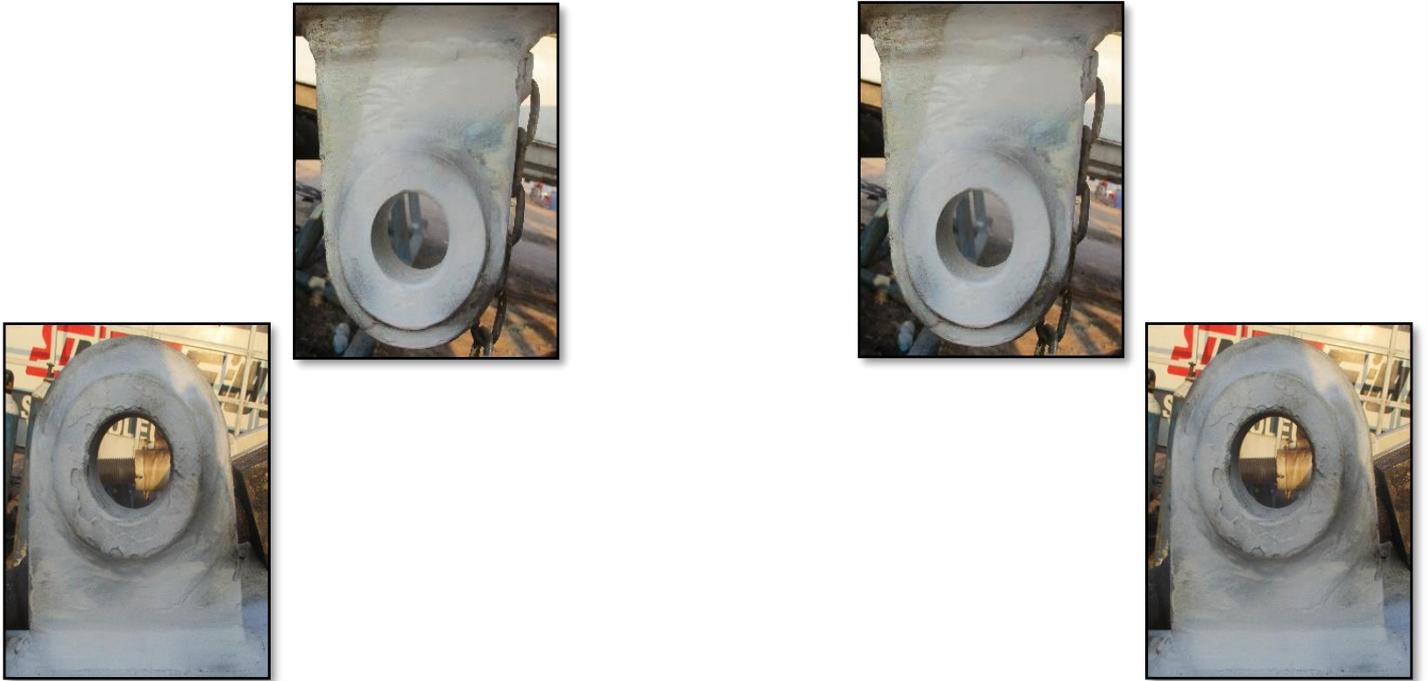
Visual & Magnetic Particles Examination Report

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-15
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Serial Number	Description of the examined equipment	Result
22180102	Rig Mast Lower Section Base Connecting Pad Eye	Pass
Pad Eye S/N:	ZZ 01 , ZZ 02 , ZZ 03 , ZZ 04	



NDT Equipment Details

Standard	API RP 4G CAT IV & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	AC yoke	Serial No:	201504044	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

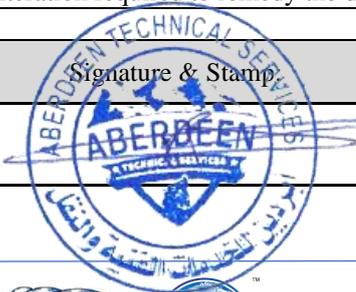
NDT Results

***Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection:

***Identification of any part found to have a defect and a description of the defect: **NONE**

***Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

ASNT Level II Inspector Name:	Signature & Stamp	Date of Next Through Examination:
Syed Aamir Ali		24-June-2024





Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Visual & Magnetic Particles Examination Report

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
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Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-16
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Serial Number	Description of the examined equipment	Result
22180102	Rig Mast Man Hydraulic Jacks Holding Points	Pass
S/N:	10180702 , 11180702	



NDT Equipment Details

Standard	API RP 4G CAT IV & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	AC yoke	Serial No:	201504044	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

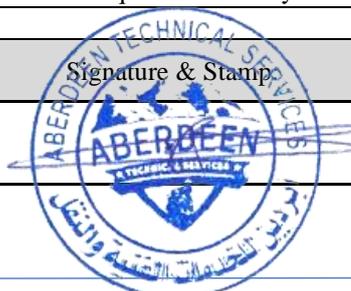
NDT Results

***Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection:

***Identification of any part found to have a defect and a description of the defect: **NONE**

***Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

ASNT Level II Inspector Name:	Signature & Stamp	Date of Next Through Examination:
Syed Aamir Ali		24-Dec-2025





Customer:	Hilong Oil Services & Engineering	Date Of Service:	25-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2541-MST-01
Rig Number:	HL-100	Specification:	API RP 4G

Certificate of Thorough Examination & NDT of Lifting Equipment

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

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL-100	Job Number:	ATS-12-23-2541
Date of Examination:	25-Dec-2023	Date of Report:	25-Dec-2023	Certificate No:	ATS-12-23-2541-MST-01-17

Serial Number:	QTY	Description	SWL	Date of last Thorough examination
1001	01	Fabricated Pad Eyes Pad Eye Dimension: Thickness: 25 mm Pin Hole: 30 mm Length: 150 mm Width: 110 mm Location: Rig Mast Upper Section Attach Pad Eye S/N: 11180702	8.5 Ton	20-Sep-2023
Reference Standard:		LEEA DOC 048:2015 + ASTM E 709		



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	NO	✓			
If the answer to the above question is YES has the equipment been installed correctly?	YES	NO	✓	With an interval of 12 months?	YES	NO	✓			
	YES	NO	✓	In accordance with an examination scheme?	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				After the occurrence of exceptional circumstances?				YES	NO	✓
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: NONE										
IS THIS EQUIPMENT SAFE TO OPERATE?				YES				NO	✓	

NDT Equipment Details

Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-Feb-2024
Vernier Caliper	Digital	Serial No:	8914	Due Date	16-Feb-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-May-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-Jan-2025

NDT Results

***Visual and MPI Carried Out For The Above Description and Found Free Of Surface Defects At The Time Of Inspection
 ***Identification Of Any Part Found To Have a Defect and a Description Of The Defect: **NONE**
 ***Particulars Of Any Repair, Renewal or Alteration Required To Remedy The Defect Identified Above: **NONE**

Name of Inspector:	Name of person authenticating this report:
Syed Aamir Ali	Hasan Omran
	Signature & Stamp:
Latest date by which next thorough examination must be carried out: 24-June-2024	

