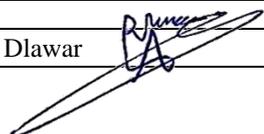




Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G



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

Inspection Date:	09-12-2023	Due Date:	08-12-2025
Inspector:	Aram Dlawar 	OEM:	



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

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

Equipment:	Mast
Model / Type:	SJJ180/39
S/N:	180701
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 lbf)
Height:	39 m/ 128 ft
Height of Racking Platform:	-
Set Back Capacity of Racking Platform	-
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 2 Years

Remarks:

Detailed reports are attached detailing all readings and results in pages (10 - 24)

Inspector:	Aram Dlawar 	Supervisor:	Hasan Omran 
OEM:			



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

PROCEDURE	
<ul style="list-style-type: none"> <li>➤ The Mast Has Been Inspected and Found Conformable to the Relevant Standard.</li> <li>➤ The Rig was equipped with SJ PETRO-MACHINERY GROUP CO.LTD Mast.</li> <li>➤ Mast was found partly stripped down /dismantled for CAT III Inspection.</li> </ul>	
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 mast 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:	Aram Dlawar 	Supervisor:	Hasan Omran 
OEM:			



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

**PICTORIAL:**



**TECHNICAL INFORMATION OF MAST**  
API SPEC 4F 4th Edition

SPEC 4F-0064

1. 井架型号 MODEL	SJ18039
2. 井架有效绳数 NUMBER OF EFFECTIVE LINES	10
3. 最大静荷载 MAX. RATED STATIC LOAD	1800 kN 404.676 lbf
4. 满立档最大额定风速 MAX. RATED WIND SPEED WITH FULL SETBACK	30.7 m/s 60 knots
5. 空立档最大额定风速 MAX. RATED WIND SPEED WITHOUT SETBACK	38.6 m/s 75 knots
6. 井架高度 HEIGHT	39 m 128 ft
7. 井架基础相对于平均海面或地面之上的高度 HEIGHT OF MASTBASE TO MEAN SEALEVEL OR GROUND	0 m 0 ft
8. 产品规范等级 PRODUCT SPECIFICATION LEVEL	FSL1
9. 附加要求 SUPPLEMENTARY REQUIREMENTS	SR
10. 井架序列号 SER. NO.	18039
11. 井架自重 WEIGHT	27392 kg 60388 lbs
12. 制造日期 MFG. DATE	

注意：加速度或冲击，以及排放立根、抽油杆和风管均会降低最大额定静荷载能力。  
CAUTION: ACCELERATION OR IMPACT, ALSO SETBACK AND WIND LOADS WILL REDUCE THE MAXIMUM RATED STATIC HOOK LOAD CAPACITY.

中石化四机石油机械有限公司  
SJ PETROLEUM MACHINERY CO.  
中华人民共和国湖北省荆州市荆机路1号  
1# SJ Road Jingzhou City, Hubei Province, P.R. of China



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	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



<b>Customer:</b>	<b>Hilong Oil Services &amp; Engineering</b>	<b>Date Of Service:</b>	<b>09-Dec-2023</b>
<b>Type Of Inspection:</b>	<b>CAT III INSPECTION</b>	<b>Report No:</b>	<b>ATS-12-23-2486-MST-001</b>
<b>Rig &amp; Rig Number:</b>	<b>RIG-99</b>	<b>Specification:</b>	<b>API RP 4G</b>

<b>01-4-rear leg O.D.S</b>			
<b>Condition</b>	<b>Accepted</b>	<b>Rejected</b>	<b>Remarks</b>
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

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

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



<b>Customer:</b>	<b>Hilong Oil Services &amp; Engineering</b>	<b>Date Of Service:</b>	<b>09-Dec-2023</b>
<b>Type Of Inspection:</b>	<b>CAT III INSPECTION</b>	<b>Report No:</b>	<b>ATS-12-23-2486-MST-001</b>
<b>Rig &amp; Rig Number:</b>	<b>RIG-99</b>	<b>Specification:</b>	<b>API RP 4G</b>

Welds	√		Check at regular frequencies
<b>04- Crown Saver Block</b>			
<b>Condition</b>	<b>Accepted</b>	<b>Rejected</b>	<b>Remarks</b>
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

<b>05- Ladders</b>			
<b>Condition</b>	<b>Accepted</b>	<b>Rejected</b>	<b>Remarks</b>
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



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

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
06-2-Guy line anchorage			
Condition	Accepted	Rejected	Remarks
Anchors and dead man	√		Check at regular frequencies
Turnbuckles	√		Check at regular frequencies
Cable clamps	√		Check at regular frequencies
Guy line condition	√		Check at regular frequencies
Number of visible marks applied	√		Check at regular frequencies
06-3-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



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

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:	Aram Dlawar 	Supervisor:	Hasan Omran 
OEM:			



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	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:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	09-12-2023	Date of Report:	09-12-2023	Certificate No:	ATS-12-23-2486-MST-001-01
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
L7 L8	02	Fabricated Pad Eyes  Pad Eye Dimension Thickness: 21 MM Pin Hole: 60 MM Length: 161 MM Width: 147 MM Location: Lower Mast (SN: 10180701)	10 T	N/A

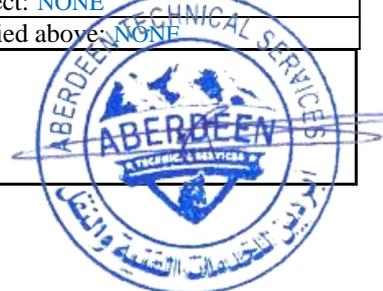


<b>Reference Standard:</b>	LEE A DOC 048:2015			
Is this the first examination after Installation or assembly at a new site or location?	YES	NO	✓	
If the answer to the above question is YES has the equipment been installed correctly?	YES	NO		
Was the examination carried out: Within an interval of 6 months? With an interval of 12 months? In accordance with an examination scheme? 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				
<b>IS THIS EQUIPMENT SAFE TO OPERATE?</b>	YES	✓	NO	

NDT Equipment Details					
Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Ac yoke	Serial No:	201504044	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23/05/2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25/01/2028

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	

<b>Name of Inspector:</b>	<b>Name of person authenticating this report:</b>
Aram Dlawar	Hasan Omran
	<b>Signature &amp; Stamp:</b>
<b>Latest date by which next thorough examination must be carried out: 08-06-2024</b>	





Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	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:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	09-12-2023	Date of Report:	09-12-2023	Certificate No:	ATS-12-23-2486-MST-001-02
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ028 JJ029	02	Fabricated Pad Eyes  Pad Eye Dimension Thickness: 32 MM Pin Hole: 43 MM Length: 270 MM Width: 151 MM Location: Lower Mast (SN: 10180701)	5 T	N/A



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? After the occurrence of exceptional circumstances?	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 Sate 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:

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	Ac yoke	Serial No:	201504044	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23/05/2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25/01/2028

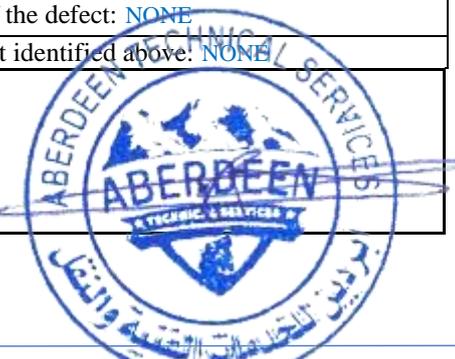
#### NDT Results

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:
Aram Dlawar	Hasan Omran
	Signature & Stamp:
Latest date by which next thorough examination must be carried out: 08-06-2024	





<b>Customer:</b>	<b>Hilong Oil Services &amp; Engineering</b>	<b>Date Of Service:</b>	<b>09-Dec-2023</b>
<b>Type Of Inspection:</b>	<b>CAT III INSPECTION</b>	<b>Report No:</b>	<b>ATS-12-23-2486-MST-001</b>
<b>Rig &amp; Rig Number:</b>	<b>RIG-99</b>	<b>Specification:</b>	<b>API RP 4G</b>

**Certificate of Thorough Examination & NDT of Lifting Equipment**

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

<b>Client Name:</b>	<b>Hilong Oil Services &amp; Engineering</b>	<b>Rig Number:</b>	RIG-99	<b>Job Number:</b>	ATS-12-23-2486
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<b>Date of Examination:</b>	09-12-2023	<b>Date of Report:</b>	09-12-2023	<b>Certificate No:</b>	ATS-12-23-2486-MST-001-03
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
L9	01	attached Pad Eyes  Pad Eye Dimension Thickness: 39 MM Pin Hole: 30 MM Length: 109 MM Width: 146 MM Location: Lower Mast (SN: 10180701)	8.5 T	N/A



**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 Sate 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	Ac yoke	Serial No:	201504044	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23/05/2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25/01/2028

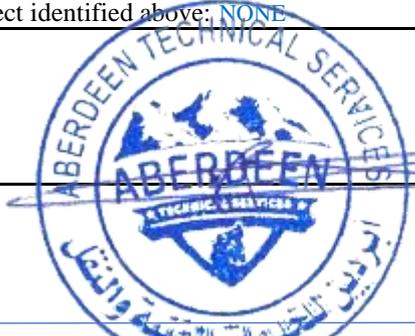
**NDT Results**

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**

<b>Name of Inspector:</b>	<b>Name of person authenticating this report:</b>
<b>Aram Dlawar</b>	<b>Hasan Omran</b>
	<b>Signature &amp; Stamp:</b>
<b>Latest date by which next thorough examination must be carried out: 08-06-2024</b>	





Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	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:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	09-12-2023	Date of Report:	09-12-2023	Certificate No:	ATS-12-23-2486-MST-001-04
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ024 JJ025	02	Fabricated Pad Eyes  Pad Eye Dimension Thickness: 32 MM Pin Hole: 44 MM Length: 167 MM Width: 153 MM Location: Lower Mast (SN: 10180701)	5 T	N/A



<b>Reference Standard:</b>		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?	
If the answer to the above question is YES has the equipment been installed correctly?	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 Sate NONE) <b>NONE</b>						
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: <b>NONE</b>						
<b>IS THIS EQUIPMENT SAFE TO OPERATE?</b>					YES	NO

NDT Equipment Details					
Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Ac yoke	Serial No:	201504044	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23/05/2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25/01/2028

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: <b>NONE</b>	
Particulars of any repair, renewal or alteration required to remedy the defect identified above: <b>NONE</b>	

<b>Name of Inspector:</b>	<b>Name of person authenticating this report:</b>
Aram Dlawar	Hasan Omran
	Signature & Stamp:
<b>Latest date by which next thorough examination must be carried out: 08-06-2024</b>	





<b>Customer:</b>	<b>Hilong Oil Services &amp; Engineering</b>	<b>Date Of Service:</b>	<b>09-Dec-2023</b>
<b>Type Of Inspection:</b>	<b>CAT III INSPECTION</b>	<b>Report No:</b>	<b>ATS-12-23-2486-MST-001</b>
<b>Rig &amp; Rig Number:</b>	<b>RIG-99</b>	<b>Specification:</b>	<b>API RP 4G</b>

**Certificate of Thorough Examination & NDT of Lifting Equipment**

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

<b>Client Name:</b>	<b>Hilong Oil Services &amp; Engineering</b>	<b>Rig Number:</b>	RIG-99	<b>Job Number:</b>	ATS-12-23-2486
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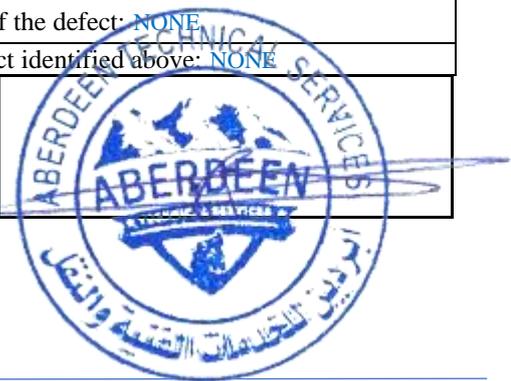
<b>Date of Examination:</b>	09-12-2023	<b>Date of Report:</b>	09-12-2023	<b>Certificate No:</b>	ATS-12-23-2486-MST-001-05
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
U1 U2	02	Fabricated Pad Eyes  Pad Eye Dimension Thickness: 22 MM Pin Hole: 60 MM Length: 319 MM Width: 161 MM Location: Upper Mast (SN: 11180701)	8.5 T	N/A

<b>Reference Standard:</b>	LEEA DOC 048:2015			
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? With an interval of 12 months? In accordance with an examination scheme? After the occurrence of exceptional circumstances?		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) <b>NONE</b>				
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: <b>NONE</b>				
<b>IS THIS EQUIPMENT SAFE TO OPERATE?</b>				YES √ NO

NDT Equipment Details					
Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Ac yoke	Serial No:	201504044	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23/05/2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25/01/2028

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: <b>NONE</b>	
Particulars of any repair, renewal or alteration required to remedy the defect identified above: <b>NONE</b>	
<b>Name of Inspector:</b>	<b>Name of person authenticating this report:</b>
Aram Dlawar	Hasan Omran
	<b>Signature &amp; Stamp:</b>
<b>Latest date by which next thorough examination must be carried out: 08-06-2024</b>	





Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	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:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	09-12-2023	Date of Report:	09-12-2023	Certificate No:	ATS-12-23-2486-MST-001-06
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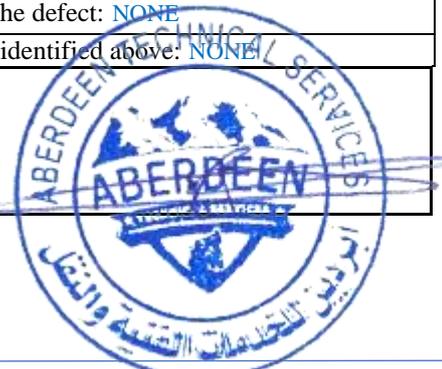
Serial Number:	QTY	Description	SWL	Date of last Thorough examination
U3 JJ036	02	Fabricated Pad Eyes  Pad Eye Dimension Thickness: 25 MM Pin Hole: 50 MM Length: 218 MM Width: 132 MM Location: Upper Mast (SN: 11180701)	8.5 T	N/A
				

<b>Reference Standard:</b>	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
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
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 Sate NONE) <b>NONE</b>			In accordance with an examination scheme?	
			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: <b>NONE</b>				
<b>IS THIS EQUIPMENT SAFE TO OPERATE?</b>	YES	NO		

NDT Equipment Details					
Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Ac yoke	Serial No:	201504044	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23/05/2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25/01/2028

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: <b>NONE</b>	
Particulars of any repair, renewal or alteration required to remedy the defect identified above: <b>NONE</b>	

<b>Name of Inspector:</b>	<b>Name of person authenticating this report:</b>
Aram Dlawar	Hasan Omran
	<b>Signature &amp; Stamp:</b>
<b>Latest date by which next thorough examination must be carried out: 08-06-2024</b>	





Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	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:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	09-12-2023	Date of Report:	09-12-2023	Certificate No:	ATS-12-23-2486-MST-001-07
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ026 JJ027	02	Fabricated Pad Eyes  Pad Eye Dimension Thickness: 21 MM Pin Hole: 59 MM Length: 148 MM Width: 151 MM Location: lower Mast (SN:10180701)	10 T	N/A



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?	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? After the occurrence of exceptional circumstances?	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	Ac yoke	Serial No: 201504044	Due Date	17-02-2024	
FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23/05/2028	
FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25/01/2028	

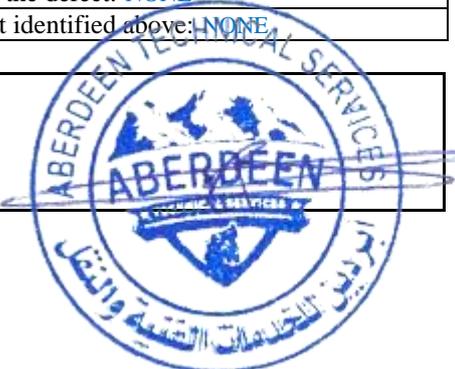
NDT Results

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:
Aram Dlawar	Hasan Omran
	Signature & Stamp:
Latest date by which next thorough examination must be carried out: 08-06-2024	





Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	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:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	09-12-2023	Date of Report:	09-12-2023	Certificate No:	ATS-12-23-2486-MST-001-08
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Serial Number	Description of the examined equipment	Result
10180701	Lower mast	Pass
Connecting point S/N:	L1 , L2 , L3 , L4 , L5 , L6	



### 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	16-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### 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:
Aram Dlawar		08-12-2025



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

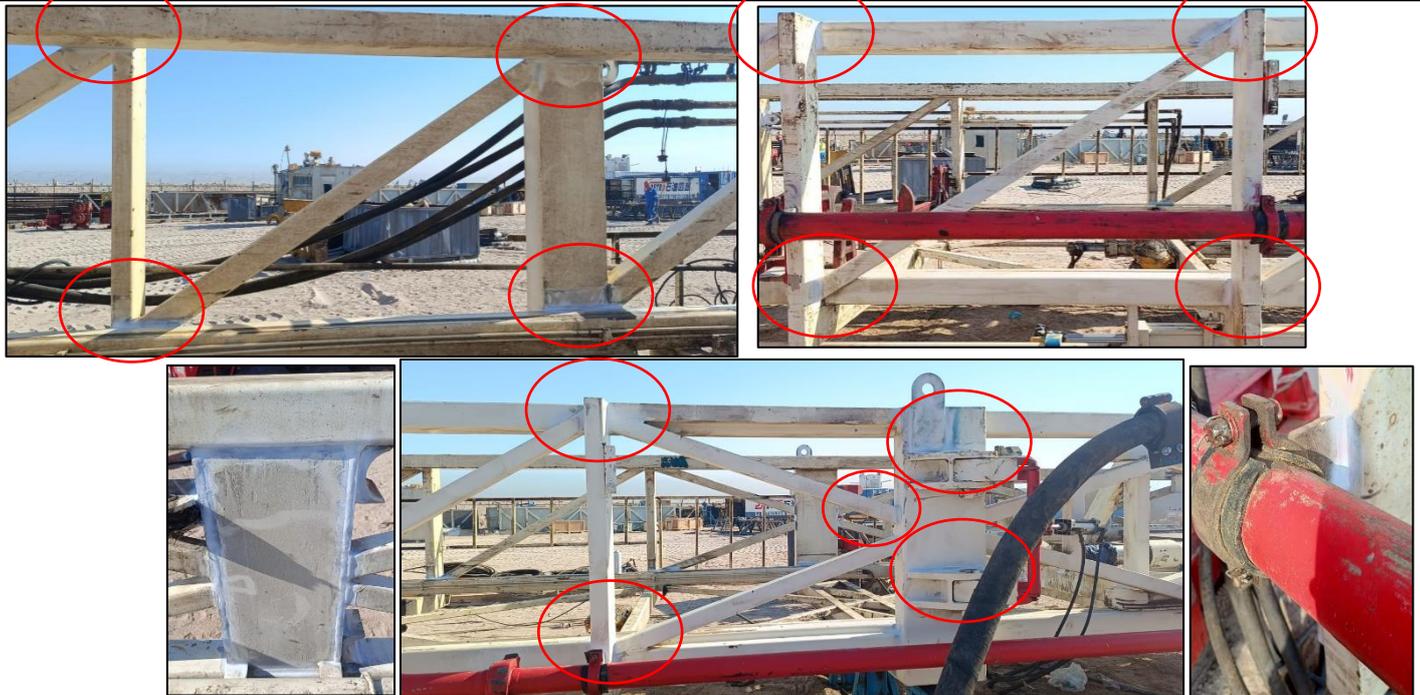
## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	09-12-2023	Date of Report:	09-12-2023	Certificate No:	ATS-12-23-2486-MST-001-09
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Serial Number	Description of the examined equipment	Result
10180701	Lower mast	Pass

Welding points



### 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	16-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT Results

Visual and MPI carried out for the above-mentioned items (Accessible) 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:
Aram Dlawar		08-12-2025





Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	09-12-2023	Date of Report:	09-12-2023	Certificate No:	ATS-12-23-2486-MST-001-10
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Serial Number	Description of the examined equipment	Result
11180701	Upper mast	Pass
Welding points	-	



### 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	16-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT Results

Visual and MPI carried out for the above-mentioned items (Accessible) 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:
Aram Dlawar		08-12-2025



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	11-12-2023	Date of Report:	11-12-2023	Certificate No:	ATS-12-23-2486-MST-001-11
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Serial Number	Description of the examined equipment	Result
22180701	Mast substructure	Pass
Connecting padeyes SN:	C1 , C2 , C3 , C4 , C5 , C6 , C7 , C8 , C9 , C10	



### 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	16-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT Results

Visual and MPI carried out for the above-mentioned items (Accessible) 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:
Aram Dlawar		08-12-2025



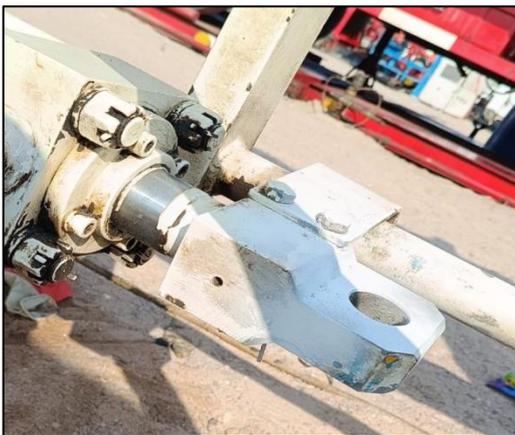
Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	11-12-2023	Date of Report:	11-12-2023	Certificate No:	ATS-12-23-2486-MST-001-12
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Serial Number	Description of the examined equipment	Result
10180701	Lower mast	Pass
Connecting padeyes SN:	JJ030 + JJ031	



JJ031



JJ030

### 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	16-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT Results

Visual and MPI carried out for the above-mentioned items (Accessible) 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:
Aram Dlawar		08-12-2025



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	11-12-2023	Date of Report:	11-12-2023	Certificate No:	ATS-12-23-2486-MST-001-13
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Serial Number	Description of the examined equipment	Result
10180701 + 11180701	Lower mast & Upper mast	Pass
Telescopic Cylinder SN:	15180604	



### 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	16-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT Results

Visual and MPI carried out for the above-mentioned items (Accessible) 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:
Aram Dlawar		08-12-2025



Customer:	Hilong Oil Services & Engineering	Date Of Service:	09-Dec-2023
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-MST-001
Rig & Rig Number:	RIG-99	Specification:	API RP 4G

## Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	RIG-99	Job Number:	ATS-12-23-2486
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Date of Examination:	11-12-2023	Date of Report:	11-12-2023	Certificate No:	ATS-12-23-2486-MST-001-14
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Serial Number	Description of the examined equipment	Result
10180701 + 11180701	Lower mast & Upper mast	Pass
Telescopic Cylinder SN:	15180603	



### 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	16-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

### NDT Results

Visual and MPI carried out for the above-mentioned items (Accessible) 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: <b>NONE</b>
Particulars of any repair, renewal or alteration required to remedy the defect identified above: <b>NONE</b>

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Aram Dlawar		08-12-2025



<b>Customer:</b>	<b>Hilong Oil Services &amp; Engineering</b>	<b>Date Of Service:</b>	<b>09-Dec-2023</b>
<b>Type Of Inspection:</b>	<b>CAT III INSPECTION</b>	<b>Report No:</b>	<b>ATS-12-23-2486-MST-001</b>
<b>Rig &amp; Rig Number:</b>	<b>RIG-99</b>	<b>Specification:</b>	<b>API RP 4G</b>

**Certificate of Thorough Examination & NDT of Lifting Equipment**

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

<b>Client Name:</b>	<b>Hilong Oil Services &amp; Engineering</b>	<b>Rig Number:</b>	RIG-99	<b>Job Number:</b>	ATS-12-23-2486
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<b>Date of Examination:</b>	09-12-2023	<b>Date of Report:</b>	09-12-2023	<b>Certificate No:</b>	ATS-12-23-2486-MST-001-15
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Serial Number:	QTY	Description	SWL	Date of last Thorough examination
JJ-30 JJ-31	02	Fabricated Pad Eyes  Pad Eye Dimension Thickness: 22 MM Pin Hole: 60 MM Length: 319 MM Width: 161 MM Location: Upper Mast (SN: 11180701)	5 T	N/A
				

<b>Reference Standard:</b>	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?						
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) <b>NONE</b>							
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: <b>NONE</b>							
<b>IS THIS EQUIPMENT SAFE TO OPERATE?</b>				YES	✓	NO	

NDT Equipment Details					
Standard	API RP 4G CAT III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Ac yoke	Serial No:	201504044	Due Date	17-02-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23/05/2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25/01/2028

<b>NDT Results</b>	
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: <b>NONE</b>	
Particulars of any repair, renewal or alteration required to remedy the defect identified above: <b>NONE</b>	

<b>Name of Inspector:</b>	<b>Name of person authenticating this report:</b>
Aram Dlawar	Hasan Omran
	<b>Signature &amp; Stamp:</b>
<b>Latest date by which next thorough examination must be carried out: 08-06-2024</b>	

