



Aberdeen Technical Services and General Transportation

Certificate of Visual Thorough Examination and Magnetic Particle Inspection (MPI)



Client:	Hilong Oil Services & Engineering	Certificate Number:	ATS-12-23-2541-MPI-154
Rig Number:	HL100	Job No:	ATS-12-23-2541
Location:	RIG-100/HILONG BASE	Page No:	01 of 12
Date of Inspection:	02-01-2024	Next Inspection Date:	01-01-2029
Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A

PICTORIAL:



Item Description: Double ram BOP

Body

Serial Number: BL1801

Details of inspection method(s):
Visible magnetic particle inspection

Inspection Results:
MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION.

Remarks: **accepted**

Inspection Equipment Details			Personnel Details		Company Stamp
Equipment	Ac yoke		Inspector:	Aram Dlawar	
Serial Number	201504044		Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023		Date:	02-01-2024	
Calibration Due:	16-02-2024		Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION		Date:	03-01-2024	
Type:	WCP-4	Black magnetic ink-3			
Batch Number	L230523/1	L230125/3			
Expiry Date:	23-05-2028	25-1-2025			

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Location:	RIG-100/HILONG BASE	Page No:	02 of 12
Date of Inspection:	02-01-2024	Next Inspection Date:	01-01-2029
Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A

PICTORIAL:



Item Description: Double ram BOP cylinders

Serial Number: BL-TF-20181-06+ BL-TF-20181-03+ BL-TF-20181-02 + BL-TF-20181-08

Details of inspection method(s):
Visible magnetic particle inspection

Inspection Results:
MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION.

Remarks: **accepted**

Inspection Equipment Details			Personnel Details		Company Stamp
Equipment	Ac yoke		Inspector:	Aram Dlawar	
Serial Number	201504044		Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023		Date:	02-01-2024	
Calibration Due:	16-02-2024		Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION		Date:	03-01-2024	
Type:	WCP-4	Black magnetic ink-3			
Batch Number	L230523/1	L230125/3			
Expiry Date:	23-05-2028	25-1-2025			

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Location:	RIG-100/HILONG BASE	Page No:	03 of 12		
Date of Inspection:	02-01-2024	Next Inspection Date:	01-01-2029		
Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A		
PICTORIAL:		Item Description: Double ram BOP			
		Cylinder head			
		Serial Number: BL-SD-18-03-8			
		Details of inspection method(s): Visible magnetic particle inspection			
		Inspection Results: MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION.			
		Remarks: Accepted			
Inspection Equipment Details		Personnel Details			
Equipment	Ac yoke	Inspector:	Aram Dlawar		
Serial Number	201504044	Qualifications	ASNT LEVEL II		
Calibration Date:	17-08-2023	Date:	02-01-2024		
Calibration Due:	16-02-2024	Signature:			
Consumables	MAGNETIC PARTICLES INSPECTION		Date:		03-01-2024
Type:	WCP-4	Black magnetic ink-3			
Batch Number	L230523/1	L230125/3			
Expiry Date:	23-05-2028	25-1-2025			

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Location:	RIG-100/HILONG BASE	Page No:	04 of 12
Date of Inspection:	02-01-2024	Next Inspection Date:	01-01-2029
Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A

PICTORIAL:



Item Description: Double ram BOP

Cylinder head

Serial Number: BL-SD-18-06-3

Details of inspection method(s):
Visible magnetic particle inspection

Inspection Results:
MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION

Remarks: **accepted**

Inspection Equipment Details			Personnel Details		Company Stamp
Equipment	Ac yoke		Inspector:	Aram Dlawar	
Serial Number	201504044		Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023		Date:	02-01-2024	
Calibration Due:	16-02-2024		Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION				
Type:	WCP-4	Black magnetic ink-3	Date:	03-01-2024	
Batch Number	L230523/1	L230125/3			
Expiry Date:	23-05-2028	25-1-2025			

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Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A

PICTORIAL:



Item Description: Double ram BOP

Cylinder head

Serial Number: BL-SD-18-06-5

Details of inspection method(s):

Visible magnetic particle inspection

Inspection Results:

MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION.

Remarks: Accepted

Inspection Equipment Details			Personnel Details		Company Stamp
Equipment	Ac yoke		Inspector:	Aram Dlawar	
Serial Number	201504044		Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023		Date:	02-01-2024	
Calibration Due:	16-02-2024		Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION		Date:	03-01-2024	
Type:	WCP-4	Black magnetic ink-3			
Batch Number	L230523/1	L230125/3			
Expiry Date:	23-05-2028	25-1-2025			

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Rig Number:	HL100	Job No:	ATS-12-23-2541
Location:	RIG-100/HILONG BASE	Page No:	06 of 12
Date of Inspection:	02-01-2024	Next Inspection Date:	01-01-2029
Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A

PICTORIAL:



Item Description: Double ram BOP

Cylinder head

Serial Number: BL-HL100-1

Details of inspection method(s):
Visible magnetic particle inspection

Inspection Results:
MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION.

Remarks: Accepted

Inspection Equipment Details			Personnel Details		Company Stamp
Equipment	Ac yoke		Inspector:	Aram Dlawar	
Serial Number	201504044		Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023		Date:	02-01-2024	
Calibration Due:	16-02-2024		Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION		Date:	03-01-2024	
Type:	WCP-4	Black magnetic ink-3			
Batch Number	L230523/1	L230125/3			
Expiry Date:	23-05-2028	25-1-2025			

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Location:	RIG-100/HILONG BASE	Page No:	07 of 12
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Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A

PICTORIAL:



Item Description: Double ram BOP

PISTON

Serial Number: BL-SD-18-03-5 + BL-SD-18-03-8
BL-SD-18-03-7 + BL-SD-18-03-6

Details of inspection method(s):
Visible magnetic particle inspection

Inspection Results:
MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION

Remarks: **accepted**

Inspection Equipment Details			Personnel Details		Company Stamp
Equipment	Ac yoke		Inspector:	Aram Dlawar	
Serial Number	201504044		Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023		Date:	02-01-2024	
Calibration Due:	16-02-2024		Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION		Date:	03-01-2024	
Type:	WCP-4	Black magnetic ink-3			
Batch Number	L230523/1	L230125/3			
Expiry Date:	23-05-2028	25-1-2025			

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Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A

PICTORIAL:



Item Description: Double ram BOP

Locking shaft

Serial Number: 171001 + 171002 + 180705 + 180704

Details of inspection method(s):
Visible magnetic particle inspection

Inspection Results:
MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND **PITTED** AT THE TIME OF INSPECTION

Remarks: **Shall be reviewed by OEM**

Inspection Equipment Details			Personnel Details		Company Stamp
Equipment	Ac yoke		Inspector:	Aram Dlawar	
Serial Number	201504044		Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023		Date:	02-01-2024	
Calibration Due:	16-02-2024		Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION		Date:	03-01-2024	
Type:	WCP-4	Black magnetic ink-3			
Batch Number	L230523/1	L230125/3			
Expiry Date:	23-05-2028	25-1-2025			

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Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A

PICTORIAL:



Item Description: Double ram BOP

ram shaft

Serial Number: BL180801 + 180601 + 20170906

Details of inspection method(s):
Visible magnetic particle inspection

Inspection Results:
MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND **PITTED** AT THE TIME OF INSPECTION

Remarks: Shall be reviewed by OEM

Inspection Equipment Details			Personnel Details		Company Stamp
Equipment	Ac yoke		Inspector:	Aram Dlawar	
Serial Number	201504044		Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023		Date:	02-01-2024	
Calibration Due:	16-02-2024		Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION		Date:	03-01-2024	
Type:	WCP-4	Black magnetic ink-3			
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Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A

PICTORIAL:



Item Description: Double ram BOP

Side door

Serial Number: BL1702 + BL1725 + BL1728 + BL1720

Details of inspection method(s):

Visible magnetic particle inspection

Inspection Results:

MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION

Remarks: **accepted**

Inspection Equipment Details			Personnel Details		Company Stamp
Equipment	Ac yoke		Inspector:	Aram Dlawar	
Serial Number	201504044		Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023		Date:	02-01-2024	
Calibration Due:	16-02-2024		Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION				
Type:	WCP-4	Black magnetic ink-3	Date:	03-01-2024	
Batch Number	L230523/1	L230125/3			
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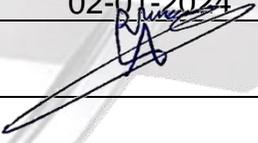
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Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A	
PICTORIAL:		Item Description: Double ram BOP		
		Blind flange (2 9/16", 5000psi, R27)		
		Serial Number: BL-YF-18-01-04		
		Details of inspection method(s): Visible magnetic particle inspection		
		Inspection Results: MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION		
Remarks: accepted				
Inspection Equipment Details		Personnel Details		
Equipment	Ac yoke	Inspector:	Aram Dlawar	
Serial Number	201504044	Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023	Date:	02-01-2024	
Calibration Due:	16-02-2024	Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION		Date:	
Type:	WCP-4	Black magnetic ink-3	03-01-2024	
Batch Number	L230523/1	L230125/3		
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Location:	RIG-100/HILONG BASE	Page No:	12 of 12
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Type of Inspection	Visual inspection & MPI (Wet Visible Method)	Ref. Standards:	ASTM E709, ASTM E 1444, API 16A

PICTORIAL:



Item Description: Double ram BOP hinges & connections on body of double ram bop

Serial Number: -
Details of inspection method(s): Visible magnetic particle inspection

Inspection Results: MPI & VISUAL INSPECTION WAS CARRIED OUT ON CRITICAL AREAS OF THE ABOVE-MENTIONED ITEM AND FOUND NO CRACKS OR RELEVANT INDICATIONS AT THE TIME OF INSPECTION

Remarks: **accepted**

Inspection Equipment Details			Personnel Details		Company Stamp
Equipment	Ac yoke		Inspector:	Aram Dlawar	
Serial Number	201504044		Qualifications	ASNT LEVEL II	
Calibration Date:	17-08-2023		Date:	02-01-2024	
Calibration Due:	16-02-2024		Signature:		
Consumables	MAGNETIC PARTICLES INSPECTION		Date:	03-01-2024	
Type:	WCP-4	Black magnetic ink-3			
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