

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard – Iraq

Tel: +9647810009138 / +9647834964657

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



4.06'' BOP (EVERY 365 DAYS) FULL INSPECTION REPORT

Customer:	HALLIBURTON (HPS)	Date of Inspection:	01.OCT.2024	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	30.SEP.2025	
Type Of Inspection:	ANNUAL INSPECTION	Report No.:	QC-24-OCT-HALL-HPS-001	
Ref Standard:	API 6A /API 16A , ASTM E709/ ASTM E165	Document number:	D601004567- REP-001	
SERIAL NO.	064-23611 R R	EQUIPMENT NO.	10839993	

OEM PLATE DATA

Manufacture:	Texas Oil Tools
Material Class:	DD
Working Pressure:	15000 PSI (1035 BAR)
Hydraulic Pressure:	3000 PSI (207 BAR)
BOP Weight:	2800 LBS
Date Of Maintenance:	03-JUNE-2023

HALLIBURTON PLATE DATA

Equipment No:	10839993
Material Number:	102390313
Year:	2015



Name of Inspector: M.SHAHZAD AHMED	Name of person authenticating this report:	Name & Customer Signature
QUALIFICATION: ASNT LEVEL II	HANY ALI	
MT & PT & VT & T		



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PROCEDURE

The Products Have Been Inspected and Found Them Conformable to Relevant

- Clean BOP body.
- visually inspect complete BOP body for damage. Repair any damage found.
- Open bonnets and flush all traces of well fluids. ☐
- Visually inspect all flange, flange studs, quick unions, quick union threads, seal areas for damage. Repair/Replace any damaged items found. ☐
- dimensionally inspect all flange, quick unions, quick union threads, seal areas. Repair/Replace any damaged items found. ☐
- Disassemble and visually inspect condition of ram bodies. Repair/Replace any damaged parts found. ☐
- Dimensionally inspect ram bore diameters. ☐
- Replace all elastomers. ☐
- Disassemble and inspect all actuators and replace hydraulic seals. ☐
- Replace slip inserts ☐
- Remove the equalizing valve assembly and inspect stem and seat. Repair/Replace any damage found. ☐
- Upon re-assembly of BOP replace all bonnet O-ring and gaskets. ☐
- Lubricate and complete re-assembly in accordance with proper technical manual. ☐
- Visually inspect all hydraulic quick connections, hydraulic adapters and hoses. Repair/Replace any damage parts found. ☐
- Function test BOP and verify correct actuation. ☐
- Verify indicator pins correctly indicate the position of the BOP's.
- Slip and Shear Test BOP's to API requirements.
- Pressure Test BOP's to API requirements
- Retain all testing and dimensional documentation.

INSPECTION RESULT

**** Visual, DPI & MPI was carried out on the available critical areas of the BOP and found Accept at the time of inspection**

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PARTICLES IMAGES



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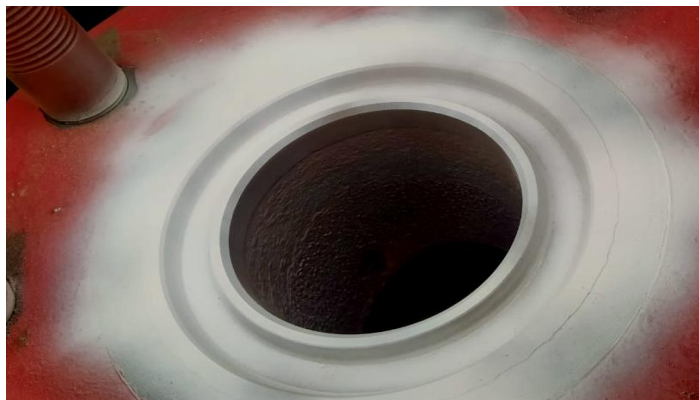
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CERTIFICATION OF VISUAL THOROUGH EXAMINATION AND MAGNETIC PARTICLE & DYE PENETRANT INSPECTION

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON (HPS)	REPORT NO:	QC-24-OCT- HALL-HPS-002
LOCATION:	HPS (Burjesia Halliburton Camp)	STANDARD :	ASTM E709 & ASTM E165, API 6A, 16A
WORK ORDER #	*****	DOCUMENT NUMBER:	D601004567-REP-001
DATE OF INSPECTION :	Tuesday, October 1, 2024	NEXT INSPECTION DATE:	Tuesday, September 30, 2025
TYPE OF INSPECTION:	VISUAL THOROUGH EXAMINATION AND MAGNETIC PARTICLE & DYE PENETRANT INSPECTION		
DESCRIPTION:	QUAD BOP 4.06" (15000 PSI)	EQUIPMENT NO:	10839993
MANUFACTURER:	Texas Oil Tools	SERIAL NO:	064-23611 R R

SKETCH OR PICTURE



INSPECTION RESULT

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

INSPECTION EQUIPMENT DETAILS

TECHNICAL DETAILS

AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24	Magnaflux	220602	JUN,2025	
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
COMPARATOR BLOCK	11223	CAL DUE DATE	16-Oct-24	Magnaflux	220605	JULY,2025	
INFRARED THERMOMETER	201704125	CAL DUE DATE	16-Oct-24	Red Penetrant	MANUFACTURE	BATCH NO	EXPIRE DATE
PENETRANT DWELL TIME:	30 minutes	DEVELOPER DWELL TIME:	15 minutes	Magnaflux	220511	May,2025	
TEST PART TEMPERATURE :	101 °F	WHITE LIGHT INTENSITY:	3620 lux	Developer	MANUFACTURE	BATCH NO	EXPIRE DATE
				Magnaflux	220302	March,2025	
				Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml	

INSPECTOR NAME M.SHAHZAD AHMED	Name of person authenticating this report:	Name & Customer Signature
QUALIFICATION ASNT LEVEL II	HANY ALI	
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Test Data

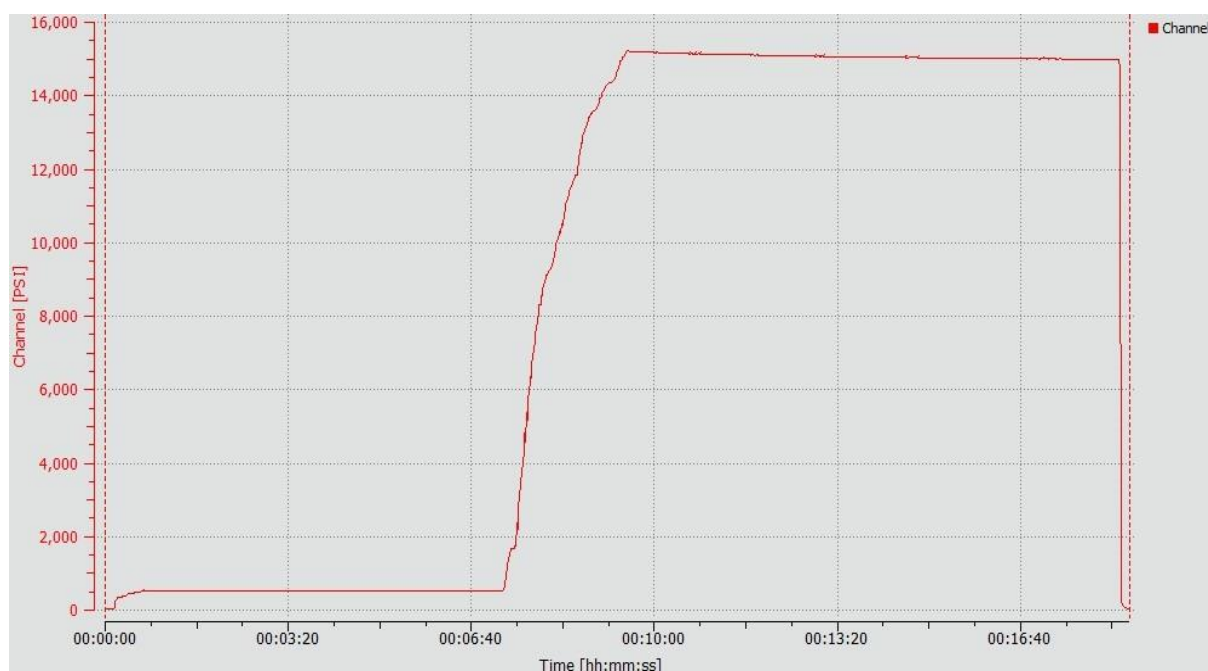
Object data:

Description: BOP QUAD
Part no.: 102390313
Serial no.: 064-23611R (10839993)
Working pressure: 15KPSI
Test pressure: 15KPSI
Test Type: Blind Ram

Contact information:

PSL: PS
Plant: P1950
Location: IEM Test Bay
WO NO.: 327147970

Graph:



Test start: 06-10-2024 14:59:37
Test end: 06-10-2024 15:18:17
Tested by: Hussam Awad
Witnessed by: Ahmed Saleh

Device serial number: 27219
Transducer S/N: 1107XB8Q
Range: 25.500 PSI
Calibration date: 14-Apr-25

Signature:

Test Data

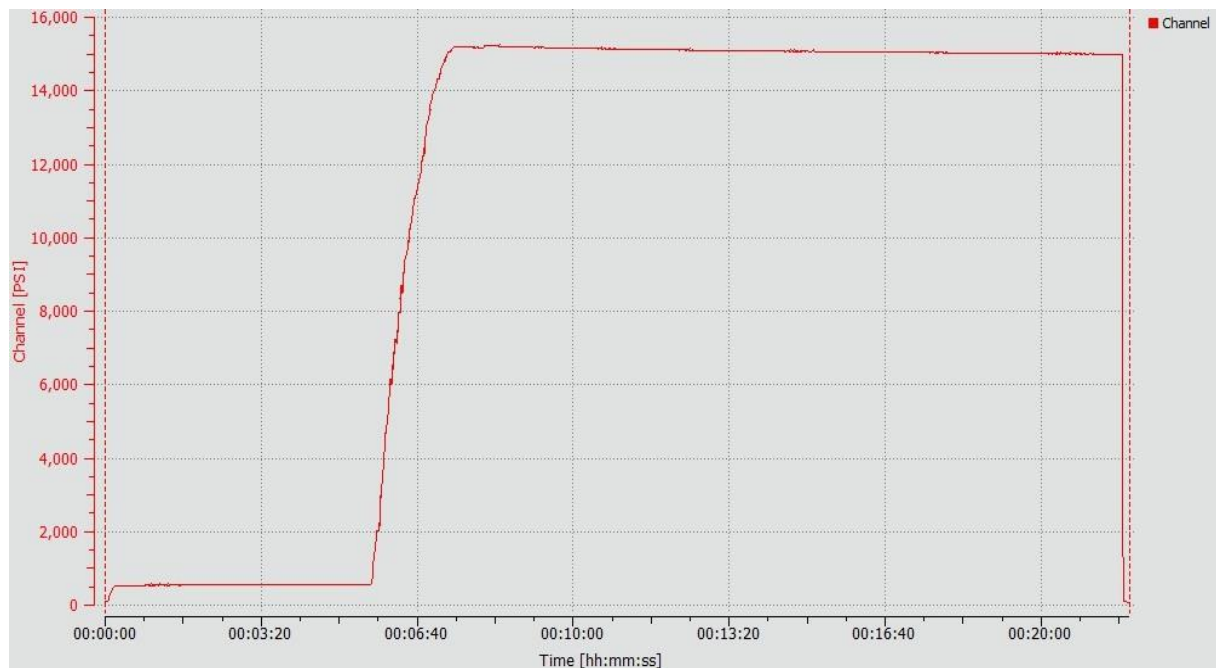
Object data:

Description: BOP QUAD
Part no.: 102390313
Serial no.: 064-23611R (10839993)
Working pressure: 15KPSI
Test pressure: 15KPSI
Test Type: Pip Ram

Contact information:

PSL: PS
Plant: P1950
Location: IEM Test Bay
WO NO.: 327147970

Graph:



Test start: 06-10-2024 14:25:21
Test end: 06-10-2024 14:47:16
Tested by: Hussam Awad
Witnessed by: Ahmed Saleh

Device serial number: 27219
Transducer S/N : 1107XB8Q
Range: 25.500 PSI
Calibration date: 14-Apr-25

Signature:

Test Data

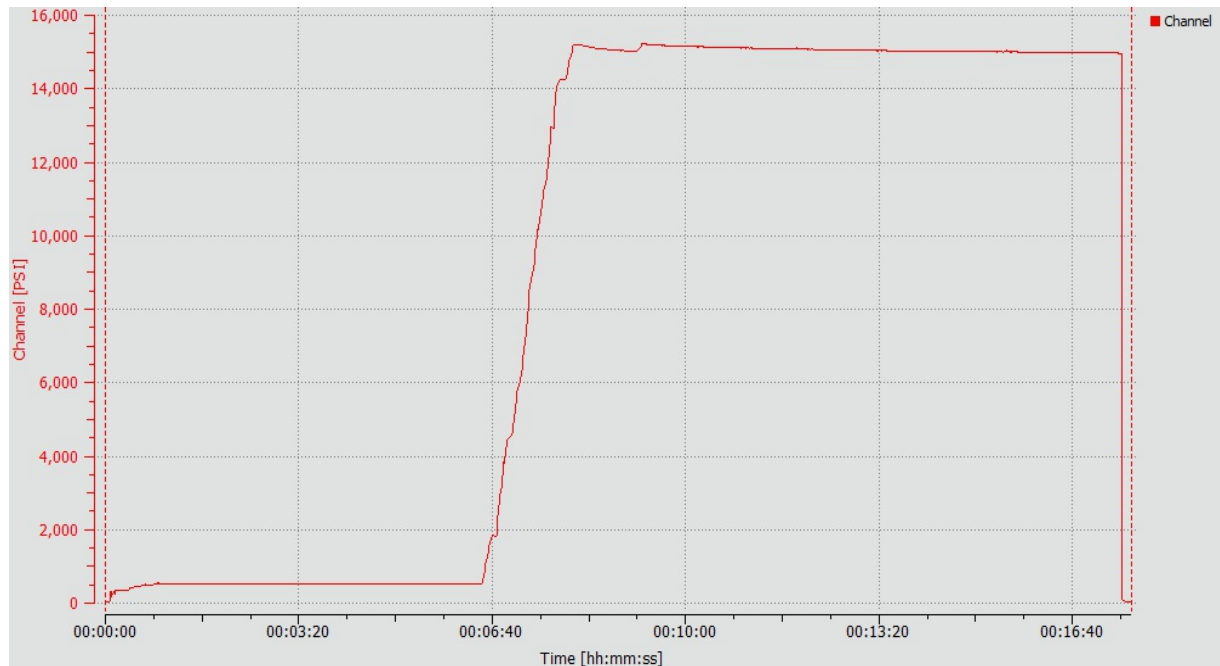
Object data:

Description: BOP QUAD 4.06 15M ES46
Part no.: 102390313
Serial no.: 10839993 (064-23611R)
Working pressure: 15 KPSI
Test pressure: 15 KPSI
Test Type: Body Test

Contact information:

PSL: HPS
Plant: P1950
Location: IEM Test Bay
WO NO.: 327147970

Graph:



Test start: 06-10-2024 09:41:10
Test end: 06-10-2024 09:58:53
Tested by: Hussam Awad
Witnessed by: Ahmed Saleh

Device serial number: 27219
Transducer S/N : 1107XB8Q
Range: 25.500 PSI
Calibration date: 14-Apr-25

Signature: