

AI TAKAMUL COMPANY FOR ENGINEERING SERVICE

Quality Control - Iraq

Basra, North Rumaila, Quality Control Yard - Iraq: Tel: +9647810009138 / +9647834964657

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



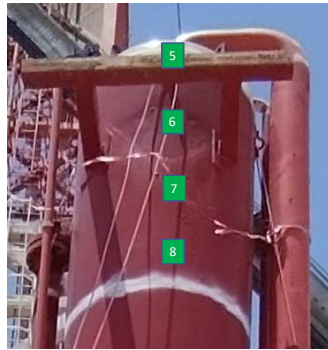
CERTIFICATION OF VISUAL THROUGH EXAMINATION AND ULTRASONIC THICKNESS GAUGING

CLIENT:	Zhongman Petroleum Engineering Technology Service (Hong Kong) Co. Limited IraqBranch:	REPORT NO.:	QC-ZPEC-05-24-0165-004
RIG & LOCATION:	ZPEC 25 / AW 66	JOB NO.:	QC-ZPEC-05-24-0165
OBJECT:	Mud Gas Separator Poor Boy S/N: 22013	DATE:	23-May-2024

TOP END CAP



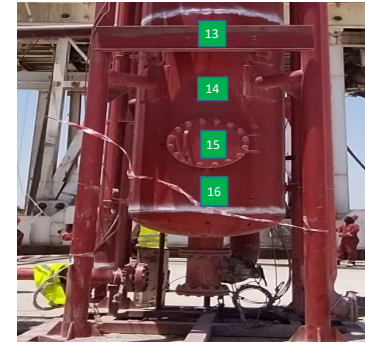
TOP BODY



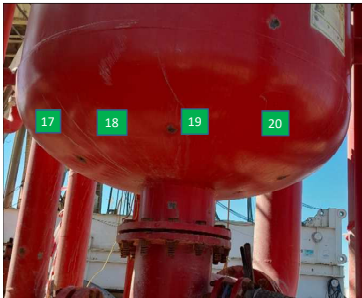
MIDDLE BODY



BOTTOM BODY

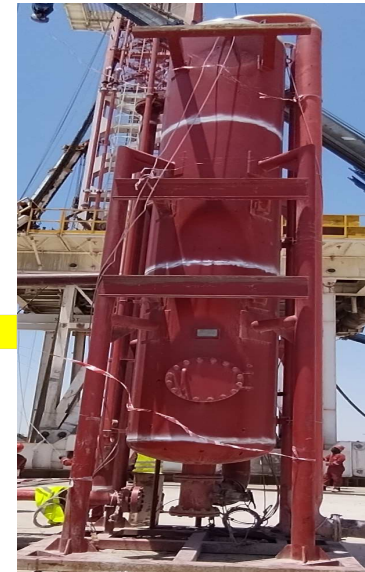
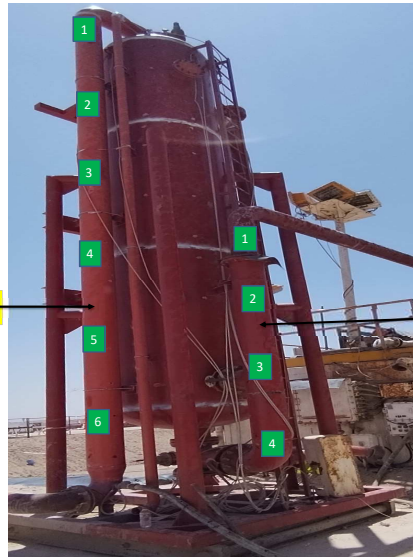


BOTTOM END



GAS LINE

MUD LINE



	郑州海亚 Zhengzhou Hui-Ya	钻井液气分离器 Liquid-Gas Separator
型号: <input type="text"/>	设计压力: <input type="text"/>	
Model: <input type="text"/>	Design Pressure: <input type="text"/>	
主体直径: <input type="text"/>	进口直径: <input type="text"/>	
Main Body Diameter: <input type="text"/>	Inlet Diameter: <input type="text"/>	
排出口直径: <input type="text"/>	排气口直径: <input type="text"/>	
Discharge Dia Diameter: <input type="text"/>	Discharge Gas Diameter: <input type="text"/>	
处理量: <input type="text"/>	生产日期: <input type="text"/>	
Capacity: <input type="text"/>	Production Date: <input type="text"/>	
重量: <input type="text"/>	出厂编号: <input type="text"/>	
Weight: <input type="text"/>	Serial No.: <input type="text"/>	
外形尺寸: <input type="text"/>		
Dimensions: LxWxH: <input type="text"/>		
郑州海亚能源科技股份有限公司 Tel: 13938589132 Zhengzhou Hui-Ya Energy Technology Co., Ltd		



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CERTIFICATION OF VISUAL THROUGH EXAMINATION AND ULTRASONIC THICKNESS GAUGING

CLIENT:	Zhongman Petroleum Engineering Technology Service (Hong Kong) Co. Limited IraqBranch:	REPORT No:	QC-ZPEC-05-24-0165-004	Page No.:	05 OF 06
RIG & LOCATION:	RIG ZPEC-25 / AW-66	JOB NO:	QC-ZPEC-25-05-24-0165	Inspection Date:	23-MAY-2024
OBJECT:	MUD Line Mud Gas Separator Poor Boy S/N: 22013	DIMENSION:	MM	DUE Date:	AS PER CLIENT

Title of The Document	POINT NO.	THICKNESS AT POSITION				Minimum Thickness	REMARKS IF ANY
		A	B	C	D		
MUD LINE	1	9.940	9.930	9.910	9.840	8 MM	Acceptable
	2	9.401	9.391	9.371	9.301		
	3	9.830	9.670	9.760	9.740		
	4	9.880	9.780	9.630	9.670		

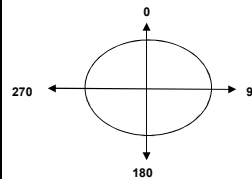
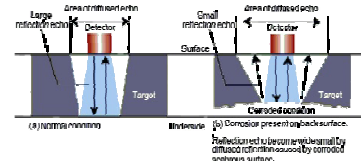
COMMENTS

* ALL READINGS IN MM:

*** MINIMUM THICKNESS PROVIDED BY CUSTMER:

(U.T) The Above Item Was Found Acceptable As Per Acceptance Criteria ASTM 797:

The Readings Were Found Under The Acceptance Criteria At The Time of Inspection:



- A: 0° 12'O CLOCK / FORWARD
- B: 90° 3'O 90° CLOCK / CENTER
- C: 180° 6'O CLOCK / AFT
- D: 270° 9'O CLOCK / PORT



Online Traceability

COMMENT:

U.T-The Above Item Was Found Acceptable As Per Procedure ZPEC OEM DATA BOOK:

INSPECTION EQUIPMENT DETAILS:

UT THICKNESS GAUGE:	Serial No:	5500391	CAL DUE DATE:	14-OCT-2024
UT TEST BLOCK:	Serial No:	N0B05088	CAL DUE DATE:	14-OCT-2024

PERSON DETAILS:

SIGNATURE & STAMP:

REVIEW BY:

INSPECTOR NAME:	Syed Aamir Ali		SENIOR INSPECTOR:	Naveed Hussain
QUALIFICATION:	ASNT LEVEL II VT,MT,PT,UT LEEA I,II		SUPERVISOR:	Rao Suhail
			CLIENT:	ZPEC



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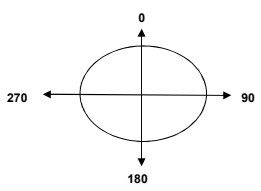
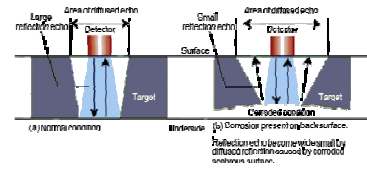


CERTIFICATION OF VISUAL THROUGH EXAMINATION AND ULTRASONIC THICKNESS GAUGING

CLIENT:	Zhongman Petroleum Engineering Technology Service (Hong Kong) Co. Limited IraqBranch:	REPORT No:	QC-ZPEC-05-24-0165-004	Page No.:	04 OF 06
RIG & LOCATION:	RIG ZPEC-25 / AW-66	JOB NO:	QC-ZPEC-25-05-24-0165	Inspection Date:	23-MAY-2024
OBJECT:	GAS Line Mud Gas Separator Poor Boy S/N: 22013	DIMENSION:	MM	DUE Date:	AS PER CLIENT

Title of The Document	POINT NO.	THICKNESS AT POSITION				Minimum Thickness	REMARKS IF ANY
		A	B	C	D		
GAS LINE	1	9.940	9.930	9.910	9.840	8 MM	Acceptable
	2	9.401	9.391	9.371	9.301		
	3	9.830	9.670	9.760	9.740		
	4	9.880	9.780	9.630	9.670		
	5	9.291	9.131	9.221	9.930		
	6	9.341	9.241	9.091	9.131		


COMMENTS	
* ALL READINGS IN MM:	
*** MINIMUM THICKNESS PROVIDED BY CUSTMER:	
(U.T) The Above Item Was Found Acceptable As Per Acceptance Criteria ASTM 797:	
The Readings Were Found Under The Acceptance Criteria At The Time of Inspection:	
	Online Traceability COMMENT:
U.T-The Above Item Was Found Acceptable As Per Procedure ZPEC OEM DATA BOOK:	



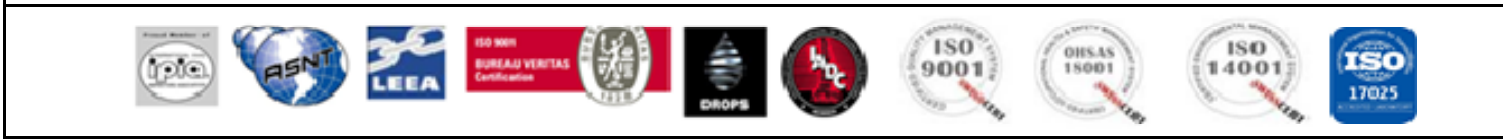
- A: 0° 12'O CLOCK / FORWARD
- B: 90° 3'O 90° CLOCK / CENTER
- C: 180° 6'O CLOCK / AFT
- D: 270° 9'O CLOCK / PORT

INSPECTION EQUIPMENT DETAILS:

UT THICKNESS GAUGE:	Serial No:	5500391	CAL DUE DATE:	14-OCT-2024
UT TEST BLOCK:	Serial No:	N0B05088	CAL DUE DATE:	14-OCT-2024

PERSON DETAILS:		SIGNATURE & STAMP:		REVIEW BY:	
INSPECTOR NAME:	Syed Aamir Ali		SENIOR INSPECTOR:	Naveed Hussain	
QUALIFICATION:	ASNT LEVEL II VT,MT,PT,UT LEEA I,II		SUPERVISOR:	Rao Suhail	
			CLIENT:	ZPEC	

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CERTIFICATION OF VISUAL THROUGH EXAMINATION AND ULTRASONIC THICKNESS GAUGING

CLIENT:	Zhongman Petroleum Engineering Technology Service (Hong Kong) Co. Limited IraqBranch:	REPORT No:	QC-ZPEC-05-24-0165-003	Page No.:	03 OF 06
RIG & LOCATION:	RIG ZPEC-25 / AW-66	JOB NO:	QC-ZPEC-25-05-24-0165	Inspection Date:	23-MAY-2024
OBJECT:	Mud Gas Separator Poor Boy S/N: 22013	DIMENSION:	MM	DUE Date:	AS PER CLIENT

Title of The Document	POINT NO.	THICKNESS AT POSITION				Minimum Thickness	REMARKS IF ANY
		A	B	C	D		
BOTTOM END CAP	17	11.580	11.850	11.780	11.690	8 MM	Acceptable
	18	11.041	11.311	11.241	11.151		
	19	11.980	11.980	11.980	11.980		
	20	10.502	10.772	10.702	10.612		

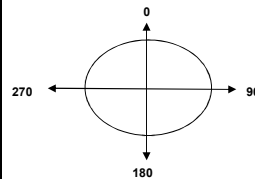
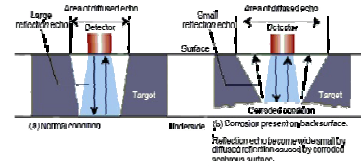
COMMENTS

* ALL READINGS IN MM:

*** MINIMUM THICKNESS PROVIDED BY CUSTMER:

(U.T) The Above Item Was Found Acceptable As Per Acceptance Criteria ASTM 797:

The Readings Were Found Under The Acceptance Criteria At The Time of Inspection:



- A: 0° 12'O CLOCK / FORWARD
- B: 90° 3'O 90° CLOCK / CENTER
- C: 180° 6'O CLOCK / AFT
- D: 270° 9'O CLOCK / PORT



Online Traceability

COMMENT:

U.T-The Above Item Was Found Acceptable As Per Procedure ZPEC OEM DATA BOOK:

INSPECTION EQUIPMENT DETAILS:

UT THICKNESS GAUGE:	Serial No:	5500391	CAL DUE DATE:	14-OCT-2024
UT TEST BLOCK:	Serial No:	N0B05088	CAL DUE DATE:	14-OCT-2024

PERSON DETAILS:

SIGNATURE & STAMP:

REVIEW BY:

INSPECTOR NAME:	Syed Aamir Ali		SENIOR INSPECTOR:	Naveed Hussain
QUALIFICATION:	ASNT LEVEL II VT,MT,PT,UT LEEA I,II		SUPERVISOR:	Rao Suhail
			CLIENT:	ZPEC



CERTIFICATION OF VISUAL THROUGH EXAMINATION AND ULTRASONIC THICKNESS GAUGING INSPECTION CERTIFICATE

CLIENT:	Zhongman Petroleum Engineering Technology Service (Hong Kong) Co. Limited Iraq Branch:	REPORT No.:	QC-ZPEC-05-24-0165-002	Page No.:	02 OF 06
RIG & LOCATION:	RIG ZPEC-25 / AW-66	JOB NO.:	QC-ZPEC-25-05-24-0165	Inspection Date:	Tuesday, June 6, 2023
OBJECT:	Mud Gas Separator Poor Boy S/N: 22013	DIMENSION:	MM	DUE Date:	AS PER CLIENT

Title of The Document	POINT NO.	THICKNESS AT POSITION								Minimum Thickness	REMARKS IF ANY
		A	B	C	D	E	F	G	H		
TOP BODY	5	11.480	11.960	11.590	11.980	11.960	11.190	11.980	11.291	8 MM	Acceptable
	6	10.941	11.421	11.051	11.441	11.960	11.190	11.980	11.291		
	7	11.980	11.980	11.980	11.980	11.090	11.170	11.191	11.271		
	8	10.402	10.882	10.512	10.902	10.613	11.003	10.714	11.104		
MIDDLE BODY	9	11.530	11.960	11.590	11.980	11.691	11.830	11.792	11.931		
	10	10.991	11.421	11.051	11.441	11.152	11.542	11.253	11.643		
	11	11.980	11.980	11.980	11.980	11.870	11.940	11.971	11.560		
	12	10.452	10.882	10.512	10.902	10.613	11.003	10.714	11.104		
BOTTOM BODY	13	11.480	11.960	11.590	11.980	11.691	11.780	11.792	11.881		
	14	10.941	11.421	11.051	11.441	11.152	11.542	11.253	11.643		
	15	11.980	11.980	11.980	11.980	11.820	11.910	11.921	11.880		
	16	10.402	10.882	10.512	10.902	10.613	11.003	10.714	11.104		

COMMENTS:

* ALL READINGS IN MM

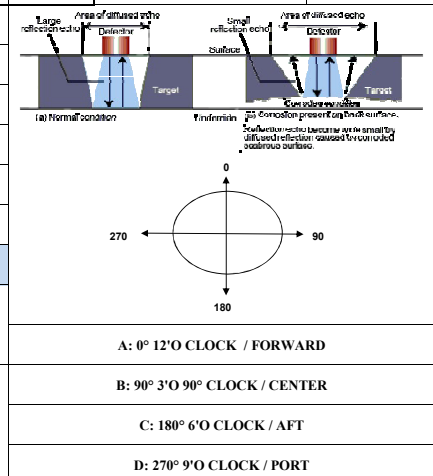
*** MINIMUM THICKNESS PROVIDED BY CLIENT:

(U.T) The Above Item Was Found Acceptable As Per Acceptance Criteria ASTM 797:

The Readings Were Found Under The Acceptance Criteria At The Time of Inspection:

Online Traceability COMMENT:

U.T-The Above Item Was Found Acceptable As Per Procedure ZPEC OEM DATA BOOK:



INSPECTION EQUIPMENT DETAILS:

UT THICKNESS GAUGE:	Serial No:	5500391	CAL DUE DATE:	14-OCT-2024
UT TEST BLOCK:	Serial No:	N0B05088	CAL DUE DATE:	14-OCT-2024

PERSON DETAILS:			REVIEW BY:	
INSPECTOR NAME:	Syed Aamir Ali		SENIOR INSPECTOR:	Naveed Hussain
QUALIFICATION:	ASNT LEVEL II VT,MT,PT,UT LEEA I,II		SUPERVISOR:	Rao Suhail
SIGNATURE & STAMP:			CLIENT:	ZPEC

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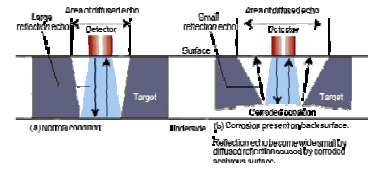
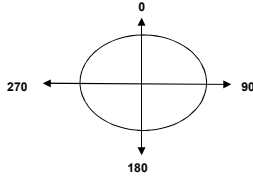


CERTIFICATION OF VISUAL THROUGH EXAMINATION AND ULTRASONIC THICKNESS GAUGING

CLIENT:	Zhongman Petroleum Engineering Technology Service (Hong Kong) Co. Limited IraqBranch:	REPORT No:	QC-ZPEC-05-24-0165-001	Page No.:	01 OF 06
RIG & LOCATION:	RIG ZPEC-25 / AW-66	JOB NO:	QC-ZPEC-25-05-24-0165	Inspection Date:	23-MAY-2024
OBJECT:	Mud Gas Separator Poor Boy S/N: 22013	DIMENSION:	MM	DUE Date:	AS PER CLIENT

Title of The Document	POINT NO.	THICKNESS AT POSITION				Minimum Thickness	REMARKS IF ANY
		A	B	C	D		
TOP END CAP	1	11.480	11.960	11.590	11.980	8 MM	Acceptable
	2	10.941	11.421	11.051	11.441		
	3	11.980	11.980	11.980	11.980		
	4	10.402	10.882	10.512	10.902		

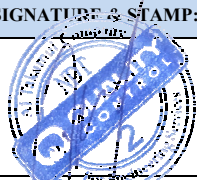
COMMENTS					
* ALL READINGS IN MM:					
*** MINIMUM THICKNESS PROVIDED BY CUSTMER:					
(U.T) The Above Item Was Found Acceptable As Per Acceptance Criteria ASTM 797:					
The Readings Were Found Under The Acceptance Criteria At The Time of Inspection:					
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Online Traceability	COMMENT:				
	U.T-The Above Item Was Found Acceptable As Per Procedure ZPEC OEM DATA BOOK:				

A: 0° 12'O CLOCK / FORWARD
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INSPECTION EQUIPMENT DETAILS:

UT THICKNESS GAUGE:	Serial No:	5500391	CAL DUE DATE:	14-OCT-2024
UT TEST BLOCK:	Serial No:	N0B05088	CAL DUE DATE:	14-OCT-2024

PERSON DETAILS:		SIGNATURE & STAMP:		REVIEW BY:	
INSPECTOR NAME:	Syed Aamir Ali		SENIOR INSPECTOR:	Naveed Hussain	
QUALIFICATION:	ASNT LEVEL II VT,MT,PT,UT LEEA I,II		SUPERVISOR:	Rao Suhail	
			CLIENT:	ZPEC	

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