AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION & WITNESS PRESSURE TEST

	THIS REPORT CO							
CLIENT:	NAHJ AL-BASRA COMPANY		REPORT No.:		Q	QC-24-09-NBC-NDT-002		
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA		STANI	STANDARD:		ASTM E709 & ASTM E797, ASME B31.1		
INSPECTION DATE:	Thursday, Septer	mber 12, 2024	INSPECTION.	INSPECTION. DUE DATE:			Thursday, September 11, 2025	
TYPE OF INSPECTION:	VISUAL INSPECTION	AND MAGNETIC PARTIC	E INSPECTION AND ULTRASONIC THICKNESS GAUGING & WITNESS PRESSURE TEST					
DESCRIPTION:	1.75" LO-TORC PLUG		SERIA	L NO:		215845981		
MANUFACTURER:	2"15O2 WING X THREAD SJ PETROLEUM MANCHINERY. CO		MATERIAL CLASS:		DD			
TEMPERATURE RATING:	29° TO 121°C		RATED WORK PRESSURE		105 Mpa			
			SPECTION DETAILS		<u> </u>			
Max. Working Pressure:	15,000	PSI	Holding	; Time:		15 Min		
Low pressure:	300 PSI		Holding Time:		05 Min			
Pump NO:	EQ NO:13119220 Cal DU	JE Date: 19.AUG.2025	Digital Pressure Gauge NO.:		218230280019 Cal DUE Date: 06.MAR.202		te: 06.MAR.2025	
			A:12'O CLOCK B:3'O CLOCK / C :6'O CLOCK / * ALL READING **MINIMUM 1	CENTER AFT	180 Large Art reflection ecto	a of diffuned echo Detector reflection Surface		
					(a) Normai co	Target	Corroded condition (b) Corrosion present on back surface. Reflection echo become wide small by drifused reflection caused by corroded scaturous surface.	
POINTS		THICKNESS AT POS	-	2700		INIMUM THICKNE	diffused reflection caused by corroded scabrous surface.	
POINTS	0° 0.842	THICKNESS AT POS 90° 0.838	ITION 180° 0.846	270° 0.841			diffused reflection caused by corroded scatorous surface.	
		90°	180°			INIMUM THICKNE	diffued reflection caused by corroded scabrous surface.	
A B C	0.842 0.575 1.116	90° 0.838 0.583 1.118	180° 0.846 0.568 1.109	0.841 0.571 1.121		10.590 INC 0.590 INC 0.420 INC 0.980 INC	ditated reflection caused by consider cathoos suffice. ISS INCH H H CH	
A B	0.842 0.575	90° 0.838 0.583 1.118 0.348	180° 0.846 0.568 1.109 0.337	0.841 0.571		INIMUM THICKN 0.590 INC 0.420 INC	ditated reflection caused by consider cathoos suffice. ISS INCH H H CH	
A B C	0.842 0.575 1.116	90° 0.838 0.583 1.118 0.348	180° 0.846 0.568 1.109	0.841 0.571 1.121	M	10.590 INC 0.590 INC 0.420 INC 0.980 INC	ditated reflection caused by consider cathoos suffice. ISS INCH H H CH	
A B C D	0.842 0.575 1.116 0.352	90° 0.838 0.583 1.118 0.348	180° 0.846 0.568 1.109 0.337	0.841 0.571 1.121 0.342	E709	10.590 INC 0.590 INC 0.420 INC 0.980 INC	ditated reflection caused by consider cathoos suffice. ISS INCH H H CH	
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