

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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ULTRASONIC FLAW DETECTION CERTIFICATE OF BIT SUB INSPECTION

Client Name:	ZHONGMAN PETROLEUM AND NATURAL GAS GROUP CROP,LTD	Report No.:	ZPEC-25-QC-24-05-RS-023
Acceptance Creater:	DS-1 Fifth Edition, Volume 3	Date of Inspection:	02.MAY.2024
Work Location:	RU-612	RIG NAME:	ZPEC 25
TEST EQUIPMENT & CONSUMABLE DETAILS			
EQ. Manufacturer/ Model:	Sonatest/ D-50	EQ. Serial No:	I017374
Calibration Due Date:	15.AUG.2024	Couplant:	UT Gel
Calibration Block Type:	V1 (SR # 506233)	Calibration Due Date:	15.AUG.2024
Transducer Angle:	90 DEG, 60 DEG, 45 DEG	Transducer Frequency:	4 MHz/ SR. 13737
Range:	100 mm	Reference dB:	42 dB
Area Scanned:	Connections	Material Velocity:	3250 m/s, 5900 m/s
White Contrast WCP-2	Batch #: 180301 Manufacture: Magnaflux Exp Date: 2024	Technical Details	Wet Visible Continuous
Black Ink 7HF	Batch #: 171001 Manufacture: Magnaflux Exp Date: 2024	Coil 1200 Amp-Turns/in	SC 22713 Cal.14.FEB.2024 Cal Due15.AUG.2024
Fluorescent 14HF	Batch #: 180303 Manufacture: Magnaflux Exp Date: 2024	A.C Hand Yoke	201504053 Cal.14.FEB.2024 Cal Due15.AUG.2024
Intensity Meter	SR# R.043943 Cal.14.FEB.2024 Cal Due 15.AUG.2024	UV Black Light	SR#1900084 Cal.14.FEB.2024 Cal Due15.AUG.2024
LEAD GAGE	S SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date. 14.FEB.2024 CAL Due Date 15.AUG.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date.14. FEB. 2024 CAL Due Date.15. AUG. 2024 SR#21335 CAL.Date.14. FEB.2024 CAL Due Date. 15.AUG.2024
Magnetic Particle Fluorescent 14HF Concentration:	0.1 To 0.4 ML / 100 ML	WMPT Light Intensity:	3500 Lux
Methodology:	- Through Visual inspection - Dimensional 3 - UltraSonic Flaw Detection - MPI inspection with Ultraviolet Light		

Serial No.	Description	Connections		Inspection Results		Dimensional 3 Inspection															
		Box		Box		Box		Box								Box					
		Box	Box	Box	Box	Body	Box	Box	Box	Box	Box	Box	Box	Box	Box	Box	Box	Box	Box	Box	Box
MJS163063	BIT SUB	6 5/8" REG	6 5/8" REG	Acc	Acc	Acc	8"	6 1/16"	5/8"	4 13/16"	17"	7 11/16"	8"	6 1/16"	5/8"	5 18/64"	8 1/2"	7 9/16"	-	27 1/2"	-

Conclusion :

01 - The Above Mentioned Bit .Sub were found "Acceptable" At the time of Inspection..

Abbreviations :

OD	Outside Diameter	ID	Inside Diameter	SRG	Stress Relief Groove	CB	Counter Bore	BB	Bore Back	FB	Float Bore
Φ	Diameter	λ	Length	σ	Width	δ	Depth	NP	Not Present	NA	Not Applicable
EGR	Elevator Groove Recess	SGR	Slip Groove Recess	CR	Crack	B	Bent	PC	Premium Class	RF	Reface
GT	Galled Thread	TP	Thread Pitting	SP	Seal Pitting	TD	Thread Damage	SD	Seal Damage	M	Mashed
1	100 % Coating	2	99-71 % Coating	3	70-40 % Coating	4	Up to 40 %	5	Nil	WT	Wall Thickness
Colors Code:		White	No Defects	Red	Crack or Extreme	Blue	ACFM	Green	Field Repair	Yellow	Damage

Inspector Name:			Review By			
Qualification:			Senior Inspector:	M.FAHAD	Supervisor:	WAQAS AWAN
Signature:						Customer Name:
						Customer Signature:

Original - Client Files Area Office QC/FN/AF,REP/026 Rev.00 Dated 01 AUG 2021



