

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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AFTER REPAIR INSPECTION CERTIFICATE OF BIT SUB#DQ-04

Client Name:	DAQING DRILLING	Report No.:	DQ-12-QC-24-08-RS-011
Acceptance Criteria:	☒ API SPEC 7-2	Date of Inspection:	27.AUG.2024
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	DQ-12
TEST EQUIPMENT & CONSUMABLE DETAILS			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2025	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#.220605 Manufacture: Magnaflux Exp Date: JULY.2025	COIL(1200 AMP-TURNS/IN	22713 Cal.25.JUL.2024 Cal Due24.FEB.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	PY-10 Cal.25.JUL.2024 Cal Due24.FEB.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 25.JUL.2024 Cal Due 24.FEB.2025	UV BLACK LIGHT	SR#1895313 Cal.25.JUL.2024 Cal Due24.FEB.2025
LEAD GAGE	SR#AH07KF0026 GAEMAKER LG- Cal. 25.JUL.2024 Cal Due 24.FEB.2025	THREAD PROFILE GAGE	SR#21336 Cal. Cal.25.JUL.2024 Cal Due24.FEB.2025 SR#21335 Cal. Cal.25.JUL.2024 Cal Due24.FEB.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3500 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2950 $\mu\text{w}/\text{cm}^2$
Magnetism Direction (Longitudinal)			
METHODOLOGY:	• Through Visual inspection • Dimensional • MPI inspection with Ultraviolet light • *Lead Gaiging, & Thread Profile Gaiging.		

Serial No.	Description	Connections		Inspection Results		Dimensional 3 Inspection															
						Box								Box						Body	
		Box	Box	Box	Box	Body	OD(In)	CB ϕ (In)	CB δ (In)	FBB ϖ (In)	FBL λ (In)	Bevel ϕ (In)	OD(In)	CB ϕ (In)	CB δ (In)	BB ϖ (In)	BB λ (In)	Bevel ϕ (In)	Box Tong λ (in)	Overall λ (In)	Box Tong (In)
DQ-04	BIT SUB	4 1/2"Reg	-	Acc	-	-	6 3/4"	4 11/16"	5/8"	3 1/2"	12 13/16"	5 5/16"	-	-	-	-	-	-	-	-	-

Conclusion :

01 - The Above Mentioned BIT SUB was found "Acceptable"From Box Side AfterRepair At the time of Inspection.(Ready for Use).

Abbreviations :

OD	Outside Diameter	ID	Inside Diameter	SRG	Stress Relief Groove	CB	Counter Bore	BB	Bore Back	FB	Float Bore
ϕ	Diameter	λ	Length	ϖ	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.SARWAR	Supervisor:	NAVEED HUSSIN	Customer Name:	
Signature:					Customer Signature:		
Original - Client Files		Area Office	OC/FN/AF.REP/026	Rev.00	Dated 01 AUG 2021		

