

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

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INSPECTION CERTIFICATE OF BIT SUB

Client Name:	DAQING DRILLING CO.	Report No.:	QC-01-24-0035-001
Acceptance Creater:	DS-1 Fifth Edition, Volume 3 CAT 3-5	Date of Inspection:	21.JAN.2024
Work Location:	R 799 (DQ 38)	RIG NAME:	DQ-38
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	SC 22713 Cal.17.AUG.2023 Cal Due 16.FEB.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	201504053 Cal.17.AUG.2023 Cal Due 16.FEB.2024
INTENSITY METER	SR# R.043943 Cal.15.AUG.2023 Cal Due 14.FEB.2024	UV BLACK LIGHT	SR#1900084 Cal.17.AUG.2023 Cal Due 16.FEB.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date. 15.AUG.2023 CAL Due Date 14.FEB.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date.15. AUG. 2023 CAL Due Date.14. FEB. 2024 SR#21335 CAL.Date.17. AUG.2023 CAL Due Date. 16.FEB.2024
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3520 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2950 μw/cm ²
Magnitism Direction (Longitudenal)			
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • Dimensional 3 		
	•MPI inspection with Ultraviolet light		

Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection														
		Box		Box	Box	Body	Box					Box					Body				
		Box	Box				OD(In)	CB φ(In)	CB δ(In)	BBD φ(In)	BBL δ(In)	Bevel φ(In)	OD(In)	CB φ(In)	CB δ(In)	FBD φ(In)	FBL δ(In)	Bevel φ(In)	Overall λ (In)	Tong Pin	
MJS121336	JUNK SUB	NC50	4 ½ REG	D.TH	Acc	Acc	6 ½"	5/16"	5/8"	---	---	6 1/8"	6 ½"	4 5/8"	5/8"	---	---	5 ¾"	8 ¼"	36"	8 ½"
20200022	BIT SUB	NC50	4 ½ REG	G.TH	P.TH	Acc	6 ¾"	5/16"	5/8"	---	---	6 ¼"	6 ¾"	4 5/8"	5/8"	---	---	5 ¼"	---	36"	---
MJS13261	BIT SUB	NC38	3 1/2 REG	D.TH	Acc	Acc	5"	4/16"	5/8"	---	---	4 ½"	5"	3 ½"	5/8"	---	---	4 ¼"	---	24"	---

Conclusion : *03 BIT SUB Was Found "Not Acceptable" from Both Side Connection at time of Inspection.
 Note: The above-mentioned Bit Sub will not be joining with BHA Connection (Exclude Heavy weight drill pipe). Sub Joining other BHA Connections, with connection NC-38 and Larger, shall have pin stress grooves and Boreback boxes or they shall be rejected according to DS-1 VOL-3 Clause 3.35.4

Abbreviations :

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
Φ Diameter	λ Length	ω 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:	Red Rejected.	Yellow 2 nd Class	Orange 3 rd Class	Blue Need Repair	Green Need Hard Banding

Inspector Name:	SHERIF, HAMZA	Review By				
Qualification:	ASNT Level II (MT) (PT)	Senior Inspector:	MOHAMED FAHAD	Supervisor:	MOHAMED WAQAS	Customer Name:
Signature:						Customer Signature:
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021		



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INSPECTION CERTIFICATE OF BIT SUB

Client Name:	DAQING DRILLING CO.	Report No.:	QC-01-24-0035-002
Acceptance Creater:	DS-1 Fifth Edition, Volume 3 CAT 3-5	Date of Inspection:	21.JAN.2024
Work Location:	R 799 (DQ 38)	RIG NAME:	DQ-38
TEST EQUIPMENT & CONSUMABLE DETAILS			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2025	TECHNICAL DETAILS	Wet Visible Continuous
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INTENSITY METER	SR# R.043943 Cal.15.AUG.2023 Cal Due 14.FEB.2024	UV BLACK LIGHT	SR#1900084 Cal.17.AUG.2023 Cal Due 16.FEB.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date. 15.AUG.2023 CAL Due Date 14.FEB.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date.15. AUG. 2023 CAL Due Date.14. FEB. 2024 SR#21335 CAL.Date.17. AUG.2023 CAL Due Date. 16.FEB.2024
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Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2950 μw/cm ²
Magnitism Direction (Longitudenal)			
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • Dimensional 3 		

Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection														
		Box		Box	Box	Body	Box					Box					Body				
		Box	Box				OD(In)	CB φ(In)	CB δ(In)	BBD φ(In)	BBL δ(In)	Bevel φ(In)	OD(In)	CB φ(In)	CB δ(In)	FBD φ(In)	FBL δ(In)	Bevel φ(In)	SRG	Overall λ (In)	Tong Pin
241001	BIT SUB	7 5/8 REG	7 5/8 REG	Acc	Acc	Acc	9'	7/116"	5/8'	---	---	8 1/2'	9"	7/116"	5/8"	---	---	5 3/4'	---	36"	---
MJS111053	BIT SUB	6 5/8 REG	NC 50	Acc	Acc	Acc	6 1/2"	5/516"	5/8'	---	---	6 1/8"	8"	6 1/16"	5/8"	---	---	7 5/8"	17/12"	36"	17"

Conclusion :	<p>*02 BIT SUB Was Found "Acceptable" from Both Side Connection at time of Inspection. NO B.B</p> <p>Note: The above-mentioned Bit Sub will not be joining with BHA Connection (Exclude Heavy weight drill pipe). Sub Joining other BHA Connections, with connection NC-38 and Larger, shall have pin stress grooves and Boreback boxes or they shall be rejected according to DS-1 VOL-3 Clause 3.35.4</p>
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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:	Red	Rejected.	Yellow	2 nd Class	Orange	3 rd Class	Blue	Need Repair	Green	Need Hard Banding	

Inspector Name:	SHERIF, HAMZA	Review By				
Qualification:	ASNT Level II (MT - UT)	Senior Inspector:	MOHAMED FAHAD	Supervisor:	MOHAMED WAQAS	Customer Name:
Signature:						Customer Signature:
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029		Rev.00 dated 07.Nov2021

