Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED
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X-OVERS (SPECIAL) INSPECTION CERTIFICATE

Client Name:	**DAQING DRILLING**	Report No.:	DQ-37-QC-7-24-0195-017
Acceptance Createra.	DS-1 Fifth Edition, Volume 3 CAT 3-5	Date of Inspection:	6 JULY.2024
Work Location:	(Ru-621)	Rig No.:	DQ-37
Test Equipment & Consumeable Details	**Test Equipment & Consumeable 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.15.APR.2024 Cal Due14.OCT.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	PY-10 Cal.15.APR.2024 Cal Due14.OCT.2024
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.FEB.2024 Cal Due 14.AUG.2024	UV BLACK LIGHT	SR#1946875 Cal.15.APR.2024 Cal Due14.OCT.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.FEB.2024 Cal Due 12.AUG.2024	THREAD PROFILE GAGE	SR#21336 Cal. Cal.15.FEB.2024 Cal Due14.OCT.2024 SR#21335 Cal. Cal.15.APR.2024 Cal Due14.OCT.2024
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3530 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3000 µw/cm²
Client Name:			
METHODOLOGY:	• Through Visual inspection •MPI inspection with Ultraviolet light • Dimensional 3		

Serial No.	*Description*	*Connections*		*Inspection Results*			*Dimensional 3 Inspection*													
							Pin					*Box*						*Body*		
		Pin	*Box*	*Pin*	*Box*	*Body*	*OD(In)*	*ID(In)*	*NECKϖ(In)*	*Pin λ(In)*	*Bevel ϕ(In)*	*OD(In)*	*CB ϕ(In)*	*CB δ(In)*	*BBD ϕ(In)*	*BBL δ(In)*	*Bevel ϕ(In)*	*Pin Tong (In)*	*Overall λ (In)*	*Fishing Neck (In)*
22	X-OVER	*3 1/2 IF*	*NC 50*	Acc.	Acc.	Acc.	6 1/2''	2 13/16"	3/8"	3 15/16''	4 15/16'	6 1/2''	4 1/16''	5/8"	N/A	N/A	6 1/16''	--	6 5/8"	--
Conclusion:	*01 X-OVER *above was found "Acceptable". 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:		Red	Rejected.	Yellow	2nd Class	Orange	3rd Class	Blue	Need Repair	Green	Need Hard Banding

Inspector Name:	M SARWAR	**Review By**					
Qualification:	ASNT Level II	**Senior Inspector:**	NAVEED HUSSAIN	**Supervisor:**	SOHAI RAO	**Customer Name:**	
Signature:						**Customer Signature:**	

Original - Client Files | Copy - Area Office | QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021