

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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## AFTER REPAIR INSPECTION CERTIFICATE OF 6 3/4" DRILL COLLAR

Client Name:	DAQING DRILLING	Report No.:	QC-2024-04-DQ-11-002
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2	Date Of Inspection:	19.APRIL.2024
Work Location:	ABERDEEN WORKSHOP	Rig Name	DQ-11
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	SC 22713 Cal.15.FEB.2024 Cal Due14.AUG.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	201504053 Cal.15.FEB.2024 Cal Due14.AUG.2024
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.FEB.2024 Cal Due 14.AUG.2024	UV BLACK LIGHT	SR#1900084 Cal.15.FEB.2024 Cal Due14.AUG.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.FEB.2024 Cal Due 12.AUG.2024	THREAD PROFILE GAGE	SR#21336 Cal. 13.FEB.2024 Cal Due 12.AUG.2024 SR#21335 Cal. 15.FEB.2024 Cal Due 14.AUG.2024
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:	3050 μw/cm <sup>2</sup>
Magnetism Direction (Longitudinal)			
METHODOLOGY:	• Through Visual inspection • Dimensional 3 • MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gauging.		
Connection:	NC50	Size:	6 3/4"

Serial No.	Visual Inspection			MPI			Dimensional 3 Inspection															
	Pin	Box	Body	Pin	Box	Body	Pin						Box						Body			
							OD (in)	ID (in)	SRG <sup>2</sup> (in)	SRG <sup>2</sup> (in)	Pin <sup>2</sup> (in)	Bevel <sup>2</sup> (in)	OD (in)	CB <sup>2</sup> (in)	CB <sup>2</sup> (in)	BB <sup>2</sup> (in)	BB <sup>2</sup> (in)	Bevel <sup>2</sup> (in)	Pin Tong <sup>2</sup> (in)	Box Tong <sup>2</sup> (in)	EGR <sup>2</sup> (in)	SGR <sup>2</sup> (in)
G-13	-	Acc	-	-	Acc	-	-	-	-	-	-	6 ¾'''	5-5/16	5/8	4 5/8''	7 ¾''	6 5/16''	-	20-13/16	-	-	-
Conclusion:			■ (01) The above Mentioned 6 3/4 '' Drill Collar were found "Acceptable" from Box Connection After Repair at time of Inspection ready to use.																			

### Abbreviations

OD	Outside Diameter	ID	Inside Diameter	SRG	Stress Relief Groove	CB	Counter Bore	BB	Bore Back	FB	Float Bore
<sup>2</sup>	Diameter	<sup>2</sup>	Length	<sup>2</sup>	Width	<sup>2</sup>	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	Damage	Green	Seal Damage	Yellow	ACFM

Inspector Name:	Review By					
Qualification:	Senior Inspector:	NAVEED HUSSAIN	Supervisor:	RAO SOHAIL	Customer Name:	
Signature:					Customer Signature:	
Original - Client Files Copy - Area Office QC/FN/AF,REP/026 Rev.00 Dated 07 NOV 2021						

