

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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## AFTER REPAIR INSPECTION CERTIFICATE OF 9" DRILL COLLAR

Client Name:	DAQNG DRILLING	Report No.:	QC-2024-04-DQ-37-007
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2	Date Of Inspection:	29.MAY.2024
Work Location:	ABERDEEN WORKSHOP	Rig Name	DQ-37
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 $\mu\text{w}/\text{cm}^2$
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> <li>Through Visual inspection</li> <li>Dimensional 3</li> <li>MPI inspection with Ultraviolet light</li> <li>*Lead Gaiging, &amp; Thread Profile Gauging.</li> </ul>		
Connection:	NC 50	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)	Overall <sup>22</sup> (in)		
3333	Acc	-	-	Acc	--	-	6 3/4	-	4 23/32	1	4 7/16	6 11/32	-	-	-	-	-	-	18 21/32	-	-	-	-	-	
Conclusion:			■ 01 pin connections of The above Mentioned 9” Drill Collar were found “Acceptable” from 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
$\square$	Diameter	$\square$	Length	$\square$	Width	$\square$	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:	RAO SOHAIL	Review By					
Qualification:	ASNT Level 3 (MT & PT)	Senior Inspector:	M.FAHAD	Supervisor:	WAQAS AWAN	Customer Name:	
Signature:						Customer Signature:	
Original - Client Files      Copy - Area Office      QC/FN/AF,REP/026 Rev.00 Dated 07 NOV 2021							

