

# 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:	<b>DAQING DRILLING</b>		Report No.:	QC-2024-09-DQ-22-008
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2		Date Of Inspection:	10.SEP.2024
Work Location:	<b>ABERDEEN WORKSHOP</b>		Rig Name	DQ-22
<b>Test Equipment &amp; Consumable Details</b>				
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:	3050 μw/cm <sup>2</sup>
Magnetism Direction (Longitudinal)				
METHODOLOGY:	<ul style="list-style-type: none"> <li>Through Visual inspection</li> <li>Dimensional 3</li> </ul>		<ul style="list-style-type: none"> <li>MPI inspection with Ultraviolet light</li> <li>*Lead Gaiging, &amp; Thread Profile Gauging.</li> </ul>	
Connection:	<b>NC50</b>		Size:	<b>6 3/4"</b>

Serial No.	Visual Inspection			MPI			Dimensional 3 Inspection																		
	Pin	Box	Body	Pin	Box	Body	Pin					Box					Body								
							OD (in)	ID (in)	SRG $\square$ (in)	SRG $\square$ (in)	Pin $\square$ (in)	Bevel $\square$ (in)	OD (in)	CB $\square$ (in)	CB $\square$ (in)	BB $\square$ (in)	BB $\square$ (in)	Bevel $\square$ (in)	Pin Tong $\square$ (in)	Box Tong $\square$ (in)	EGR $\square$ (in)	SGR $\square$ (in)	Overall $\square$ (in)		
77775	Acc	-	-	Acc	-	-	6 3/4"	2 7/8"	4 23/32"	1"	4 7/16"	6 5/16"	-	-	-	-	-	-	-	-	18 3/8"	-	-	-	-
DQ22-111	Acc	-	-	Acc	-	-	6 3/4"	2 7/8"	4 23/32"	3/4"	4 7/16"	6 5/16"	-	-	-	-	-	-	-	-	18 3/8"	-	-	-	-

**Conclusion:** (02) The above Mentioned 8" Drill Collar were found "Acceptable" from Pin 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
$\square$	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
<b>Colors Code:</b>		White	No Defects	Red	Crack or Extreme	Blue	Damage	Green	Seal Damage	Yellow	ACFM

Inspector Name:		Review By				
Qualification:		Senior Inspector:	M.SARWAR	Supervisor:	AHMED MOHAMMAD	Customer Name:
Signature:						Customer Signature:
Original - Client Files		Copy - Area Office		QC/FN/AF,REP/026 Rev.00 Dated 07 NOV 2021		

