

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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

<b>Client Name:</b>	<b>DAQING DRILLING</b>	<b>Report No.:</b>	QC-2024-MAY-DQ-12-009
<b>Acceptance Criteria:</b>	<input checked="" type="checkbox"/> API SPEC 7-2	<b>Date Of Inspection:</b>	6.MAY.2024
<b>Work Location:</b>	<b>ABERDEEN WORKSHOP</b>	<b>Rig Name</b>	DQ-12
<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	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	3520 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2950 μw/cm <sup>2</sup>
Magnetism Direction (Longitudinal)			
<b>METHODOLOGY:</b>	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• MPI inspection with Ultraviolet light</li> <li>• Dimensional 3</li> <li>*Lead Gaiging, &amp; Thread Profile Gaiging.</li> </ul>		
<b>Connection:</b>	<b>NC50</b>	<b>Size:</b>	<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 <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>2</sup> (in)
G8	-	Acc	-	-	Acc	-	-	-	-	-	-	-	6 3/4	5 5/16"	5/8"	4 5/8"	8 1/8"	6 5/16"	-	20 1/8"	-	-	-
G3	-	Acc	-	-	Acc	-	-	-	-	-	-	-	6 3/4	5 5/16"	5/8"	4 5/8"	8 1/8"	6 5/16"	-	19 5/8"	-	-	-

**Conclusion:** ■ (02) 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
<b>Colors Code:</b>		White	No Defects	Red	Crack or Extreme	Blue	Damage	Green	Seal Damage	Yellow	ACFM

<b>Inspector Name:</b>	Usman shabbir	<b>Review By</b>				
<b>Qualification:</b>	ASNT Level II (MT,PT,UT)	<b>Senior Inspector:</b>	NAVEED HUSIAN	<b>Supervisor:</b>	RAO SOHAIL	<b>Customer Name:</b>
<b>Signature:</b>						<b>Customer Signature:</b>

Original-Client Files

Copy - Area Office

QC/FN/AF,REP/026

Rev.00

Dated 07 NOV 2021

