

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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AFTER REPAIR INSPECTION CERTIFICATE OF 5" HWDP

Client Name:	DAQING DRILLING	Report No.:	QC-B-06-25-0389-4
Acceptance Criteria:	☒ API SPEC 7-2	Date Of Inspection:	02.July.2025
Work Location:	ABERDEEN WORKSHOP	Rig Name	DQ-11
Test Equipment & Consumable Details			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#:220605 Manufacture: Magnaflux Exp Date: JULY.2026	COIL(1200 AMP-TURNS/IN	22713 Cal.12.May.2025 Cal Due11.Nov.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2026	A.C HAND YOKE	PY-10 Cal.12.May.2025 Cal Due11.Nov.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 12.May.2025 Cal Due 11.Nov.2025	UV BLACK LIGHT	SR#1895313 Cal.12.May.2025 Cal Due11.Nov.2025
LEAD GAGE	SR#AH07KF0026 GAEMAKER LG- Cal. 12.May.2025 Cal Due 11.Nov.2025	THREAD PROFILE GAGE	SR#21336 Cal. Cal.12.May.2025 Cal Due11.Nov.2025 SR#21335 Cal. Cal.12.May.2025 Cal Due11.Nov.2025
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 $\mu\text{w}/\text{cm}^2$
Magnetism Direction (Longitudinal)			
METHODOLOGY:	• Through Visual inspection • Dimensional Inspection • MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gauging.		
Connection:	NC-50	Size:	5"

Serial No.	Visual Inspection			Black Light		Dimensional 3 Inspection													
	Pin	Box	Body	Pin	Box	Pin						Box						Body	
						OD (in)	ID (in)	SRG $\square$ (in)	SRG $\square$ (in)	Bevel $\square$ (in)	pin $\square$ (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)
5553	-	Acc.	-	-	Acc.	-	-	-	-	-	-	6-5/8"	5-5/16"	5/8"	4-5/8"	7-3/4"	6-5/16"	-	13-1/2"
37-26	-	Acc.	-	-	Acc.	-	-	-	-	-	-	6-5/8"	5-5/16"	5/8"	4-5/8"	8-1/8"	6-5/16"	-	16-1/4"
R11-4	-	Acc.	-	-	Acc.	-	-	-	-	-	-	6-5/8"	5-5/16"	5/8"	4-5/8"	8"	6-5/16"	-	16-1/2"
06000227	-	Acc.	-	-	Acc.	-	-	-	-	-	-	6-5/8"	5-5/16"	5/8"	4-5/8"	16"	6-5/16"	-	16"

Conclusion :

(04) The Above Mentioned 5" Heavy Weight Drill Pipe Were Found Acceptable from BOX Connection After Repair at the 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 Damage.	Blue	Damage	Green	Seal Damage	Yellow	ACFM

Inspector Name:	Tayyab Mehmood	Review By				
Qualification:	ASNT Level II MPI	Senior Inspector:	Muhammad Shehzad	Supervisor:	AHMED MOHAMMAD	Customer Name:
Signature:	Tayyab Mehmood					Customer Signature:
Original – Client Files		Copy - Area Office QC/FN/DPI/NDT/006 Rev.00 DATED 07.NOV.2021				

