

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-2024-MAY-DQ-12-006
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2	Date Of Inspection:	6.MAY.2024
Work Location:	ABERDEEN WORKSHOP	Rig Name	DQ-12
Test Equipment & Consumable 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	3520 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2950 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • MPI inspection with Ultraviolet light • Dimensional Inspection *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 (in)	SRG (in)	Bevel (in)	pin (in)	OD (in)	CB (in)	CB (in)	BB (in)	BB (in)	Bevel (in)	Pin Tong (in)	Box Tong (in)	C.W Pad OD (in)	length (in)
104000122	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	-	-	6 1/16	-	12 1/8"	-	-
267	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	-	-	6 1/16	-	16"	-	-

Conclusion : The Above Mentioned 5" Heavy Weight Drill Pipe Were Found Acceptable from Box Connection After Repair at the time of Inspection. **NO BORE BACK**
Box Bore Back: unless waived by the customer all API connection NC 38 and larger that make up to BHA components shall be equipped with bore back boxes or they shall be rejected the dimeter and length of the bore back cylinder shall be measured and shall meet the requirements of table 3.10.1 HWDP

Abbreviations :

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
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:	Usman Shabbir	Review By			
Qualification:		Senior Inspector:	NAVEED HUSIAN	Supervisor:	RAO SOHAIL
Signature:					Customer Name:
					Customer Signature:

Original – Client Files Copy - Area Office QC/FN/DPI/NDT/006 Rev.00 DATED 07.NOV.2021

