Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED
Basra, North Rumaila, Quality Control Yard - Iraq
Tel: +9647810009138 / +9647834964657
Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com

AFTER REPAIR INSPECTION CERTIFICATE OF 5'' HWDP

Client Name:	**DAQING DRILLING**	Report No.:	QC-2024-MAY-DQ-12-003
Acceptance Criteria.	☑API SPEC 7-2	Date Of Inspection:	6.MAY.2024
Work Location:	**ABERDEEN WORKSHOP**	Rig Name	DQ-12
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	3520 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2950 µw/cm²
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	Body	Pin	Box	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)	BoxTong⍰ ⍰ (in)	C.W Pad OD(in)	length (in)
106000228	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	4 5/8"	8"	6 1/16"	-	17"	-	-
106000213	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	4 5/8"	8"	6 1/16"	-	17"	-	-
106000204	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	4 5/8"	8 1/8"	6 1/16"	-	13 1/4"	-	-
104000413	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	4 5/8"	8 3/8"	6 1/16"	-	17 1/4"	-	-

Conclusion :	**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*
⍰	*Diameter*	⍰	*Length*	⍰	*Width*	⍰	*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:	Usman Shabbir	**Review By**				
Qualification:	ASNT Level II (MT,PT,UT)	**Senior Inspector:**	NAVEED HUSIAN	**Supervisor:**	RAO SOHAIL	**Customer Name:**
Signature:						**Customer Signature:**