

AI 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-12-002
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 & 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/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 Gaiging. 		
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)
2021	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	4 5/8"	7 3/4"	6 1/16"	-	13 3/16"	-	-
06000230	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	4 5/8"	8 3/4"	6 1/16"	-	16 7/8"	-	-
106000198	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	4 5/8"	8"	6 1/16"	-	12 1/8"	-	-
106000924	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	4 5/8"	8 3/16"	6 1/16"	-	16"	-	-
007	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	4 5/8"	8 3/4"	6 1/16"	-	13"	-	-
1122	-	Acc	-	-	Acc	-	-	-	-	-	-	6 9/16"	5 5/16"	5/8"	4 5/8"	8"	6 1/16"	-	17 5/16"	-	-

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
Signature:					
					Customer Signature:

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

