

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq Tel: +9647810009138 / +9647810009137

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



AFTER REPAIR INSPECTION CERTIFICATE OF 5" HWDP

Client Name:	DAQING DRILLING	Report No.:	QC-B-06-25-0389-2
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 Due 11.Nov.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2026	A.C HAND YOKE	PY-10 Cal.12.May.2025 Cal Due 11.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 Due 11.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 Due 11.Nov.2025 SR#21335 Cal. Cal.12.May.2025 Cal Due 11.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 • 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 $\square$ (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)	C.W Pad OD (in)	length (in)
06000929	Acc.	Acc.	-	Acc.	Acc.	6-5/8"	3"	4-3/4"	3/4"	6-5/16"	4-7/16"	6-5/8"	5-5/16"	5/8"	4-5/8"	8"	6-5/16"	15-1/4"	23-1/4"	-	-
DQ-01	Acc.	Acc.	-	Acc.	Acc.	6-5/8"	3"	4-3/4"	15/16"	6-5/16"	4-7/16"	6-5/8"	5-5/16"	5/8"	4-5/8"	7-3/4"	6-5/16"	9-3/8"	15-3/4"	-	-
DQ-033	Acc.	Acc.	-	Acc.	Acc.	6-5/8"	3"	4-3/4"	15/16"	6-5/16"	4-7/16"	6-5/8"	5-5/16"	5/8"	4-5/8"	7-3/4"	6-5/16"	11-3/8"	11-7/8"	-	-
06000216	Acc.	Acc.	-	Acc.	Acc.	6-5/8"	3"	4-3/4"	15/16"	6-5/16"	4-7/16"	6-5/8"	5-5/16"	5/8"	4-5/8"	7-3/4"	6-5/16"	11-3/8"	16-3/8"	-	-
DQ-04	Acc.	Acc.	-	Acc.	Acc.	6-5/8"	3"	4-3/4"	1"	6-5/16"	4-7/16"	6-5/8"	5-5/16"	5/8"	4-5/8"	7-5/8"	6-5/16"	11-5/8"	16"	-	-
Conclusion :	(05) The Above Mentioned 5" Heavy Weight Drill Pipe Were Found Acceptable from PIN AND 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					Customer Signature:	
Original – Client Files Copy - Area Office QC/FN/DPI/NDT/006 Rev.00 DATED 07.NOV.2021							

