

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

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



CERTIFICATE OF INSPECTION AFTER REPAIR FOR 3 1/2" HWDP

Client Name:	DAQING DRILLING COMPANY	Report No.:	QC-ATS-WSH-01-24-0020-H03
Acceptance criteria	<input checked="" type="checkbox"/> API SPEC 7-2	Date Of Inspection:	23-01-2024
Work Location:	ABERDEEN WORKSHOP	Rig Name	DQ-37
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	SR# SC-22713 Cal. 17.AUG.2023 Cal Due 16.FEB.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	SR# 201504053 Cal 17.AUG.2023 Cal Due 16.FEB.2024
INTENSITY METER	SR# R.043943 Cal.15.AUG.2023 Cal Due 14.FEB.2024	UV BLACK LIGHT	SR# 1900084 Cal. 17.AUG.2023 Cal Due 16.FEB.2024
LEAD GAGE	SR# AH07KF0027 GAEMAKER LG-5003 CAL.Date. 15.AUG.2023 CAL Due Date 14.FEB.2024	THREAD PROFILE GAGE	SR# 21336 CAL.Date.15.AUG. 2023 CAL Due Date.14. AUG. 2024 SR# 21335 CAL.Date.17.AUG.2023 CAL Due Date. 16.AUG.2024
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3500 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2850 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • Dimensional Inspection 		
	<ul style="list-style-type: none"> • MPI inspection with Ultraviolet light *Lead Gaiging, Taper Gaiging & Thread Profile Gaiging. 		
Connection:	NC-38 (3 1/2 IF)	Size:	3 1/2 "

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)		
05000294	Acc	-	-	Acc	-	4 3/4"	2 1/8"	3 1/2"	3/4"	4 9/16"	3 15/16"	-	-	-	-	-	-	-	-	15 3/4"	-	-	-

Conclusion : The Above Mentioned 3 1/2" Heavy Weight Drill Pipe Was Found Acceptable from Pin 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	
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	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:	M. FAHAD	Review By			
Qualification:		Senior Inspector:	RAO SOHAIL	Supervisor:	WAQAS AWAN
Signature:					
					Customer Name:
					Customer Signature:

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



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Test Equipment & Consumable Details			
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BLACK INK 7HF	Batch#.220605 Manufacture: Magnaflux Exp Date: JULY.2025	COIL(1200 AMP-TURNS/IN	SR# SC-22713 Cal. 17.AUG.2023 Cal Due 16.FEB.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	SR# 201504053 Cal 17.AUG.2023 Cal Due 16.FEB.2024
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Connection:	NC-38 (3 1/2 IF)	Size:	3 1/2 "

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)
S15	-	Acc	-	-	Acc	-	-	-	-	-	-	4 3/4"	4 1/16"	5/8"	3 15/32"	7 9/16"	4 9/16"	-	16 1/2"	-	-

Conclusion : The Above Mentioned 3 1/2" Heavy Weight Drill Pipe Was 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	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:	M.FAHAD	Review By			
Qualification:		Senior Inspector:	RAO SOHAIL	Supervisor:	WAQAS AWAN
Signature:				Customer Name:	
				Customer Signature:	

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Copy - Area Office

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