

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

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



## CERTIFICATE OF INSPECTION AFTER REPAIR FOR 5" DRILL PIPE

<b>Client Name:</b>	<b>DAQING DRILLING</b>	<b>Report No.:</b>	QC 06-24-0100-04
<b>Acceptance Criteria:</b>	<input checked="" type="checkbox"/> API SPEC 7-2	<b>Date Of Inspection:</b>	8June2024
<b>Work Location:</b>	<b>ABERDEEN WORKSHOP</b>	<b>Rig Name</b>	DQ-12
<b>Test Equipment &amp; Consumeable Details</b>			
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 Due 14.AUG.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	201504053 Cal.15.FEB.2024 Cal Due 14.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 Due 14.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	3500 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3070 μw/cm <sup>2</sup>
<b>METHODOLOGY:</b>	• Through Visual inspection • Dimensional • MPI inspection with Ultraviolet light *Lead Gaiging, Taper Gauging & Thread Profile Gauging.		
<b>Connection:</b>	<b>NC-50 (4 ½ IF)</b>	<b>Size:</b>	<b>5"</b>

Serial No.	Result of Inspection								Dimensional Inspection (in)											Pin Tong (in)	Box Tong (in)
	Pin	Box	Tube	Coating %	OD Wear	H.B	Remainin & WT	EMI	Pin						Box						
									OD (in)	ID (in)	Pin (in)	Bevel (in)	Pin neck	Seal	OD (in)	CB (in)	CB (in)	Shoulder (in)	Bevel (in)		
X 36	ACC	--	--	--	--	--	--	6 9/16"	3 ¼"	4 ½"	6 1/8	3/8"	13/32"	--	--	--	--	--	8 1/8"	--	
411	ACC	--	--	--	--	--	--	6 9/16"	3 ¼"	4 ½"	6 1/8	5/16"	13/32"	--	--	--	--	--	8 1/8"	--	
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
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**Conclusion:** ■ \*02 Joint Was Found Acceptable From PIN Side After Repair At time of Inspection ready to use.

**Abbreviations :**

<b>OD</b> Outside Diameter	<b>ID</b> Inside Diameter	<b>SRG</b> Stress Relief Groove	<b>CB</b> Counter Bore	<b>BB</b> Bore Back	<b>FB</b> Float Bore
<b>EGR</b> Elevator Groove Recess	<b>SGR</b> Slip Groove Recess	<b>CR</b> Crack	<b>B</b> Bent	<b>PC</b> Premium Class	<b>RF</b> Reface
<b>GT</b> Galled Thread	<b>TP</b> Thread Pitting	<b>SP</b> Seal Pitting	<b>TD</b> Thread Damage	<b>SD</b> Seal Damage	<b>M</b> Mashed
<b>1</b> 100 % Coating	<b>2</b> 99-71 % Coating	<b>3</b> 70-40 % Coating	<b>4</b> Up to 40 %	<b>5</b> Nil	<b>WT</b> Wall Thickness
<b>Colors Code:</b>	<b>White</b> No Defects	<b>Red</b> Crack or Extreme Damage.	<b>Blue</b> Damage	<b>Green</b> Seal Damage	<b>Yellow</b> ACFM

<b>Inspector</b>		<b>Review By</b>			
<b>Qualification:</b>		<b>Senior Inspector:</b> RAO SOHAIL	<b>Supervisor:</b> NAVEED HUSSAIN	<b>Customer Name:</b>	
<b>Signature:</b>				<b>Customer Signature:</b>	
Original - Client Files		Copy - Area Office	QC/FN/AF,REP/026	Rev.00	Dated 07 NOV 2021

