

# 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](mailto:OP@qualitycontrol-iraq.com) / [hany.akafi@qualitycontrol-iraq.com](mailto:hany.akafi@qualitycontrol-iraq.com)



## AFTER REPAIR INSPECTION CERTIFICATE OF 5" HWDP

<b>Client Name:</b>	<b>DAQING DRILLING</b>	<b>Report No.:</b>	QC-09-24-0153-003
<b>Acceptance Criteria:</b>	<input checked="" type="checkbox"/> API SPEC 7-2	<b>Date Of Inspection:</b>	22, Sep, 2024
<b>Work Location:</b>	<b>ABERDEEN WORKSHOP IRAQ</b>	<b>Rig Name</b>	DQ-37
<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	22713 Cal.25.JUL.2024 Cal Due 24.FEB.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March, 2025	A.C HAND YOKE	PY-10 Cal.25.JUL.2024 Cal Due 24.FEB.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 25.JUL.2024 Cal Due 24.FEB.2025	UV BLACK LIGHT	SR#1895313 Cal.25.JUL.2024 Cal Due 24.FEB.2025
LEAD GAGE	SR#AH07KF0026 GAEMAKER LG- Cal. 25.JUL.2024 Cal Due 24.FEB.2025	THREAD PROFILE GAGE	SR#21336 Cal. Cal.25.JUL.2024 Cal Due 24.FEB.2025 SR#21335 Cal. Cal.25.JUL.2024 Cal Due 24.FEB.2025
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:	3050 μw/cm <sup>2</sup>
<b>Magnetism Direction (Longitudinal)</b>			
<b>METHODOLOGY:</b>	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• MPI inspection with Ultraviolet light</li> <li>• Dimensional Inspection</li> <li>*Lead Gaiging, &amp; Thread Profile Gaiging.</li> </ul>		
<b>Connection:</b>	<b>NC-50</b>	<b>Size:</b>	<b>5"</b>

Serial No.	Visual Inspection			Black Light		Dimensional 3 Inspection															
	Pin	Box	Body	Pin	Box	Pin					Box					Body					
						OD (in)	ID (in)	SRG <sup>⊠</sup> (in)	SRG <sup>⊠</sup> (in)	Bevel <sup>⊠</sup> (in)	pin <sup>⊠</sup> (in)	OD (in)	CB <sup>⊠</sup> (in)	CB <sup>⊠</sup> (in)	BB <sup>⊠</sup> (in)	BB <sup>⊠</sup> (in)	Bevel <sup>⊠</sup> (in)	Pin Tong <sup>⊠</sup> (in)	Box Tong <sup>⊠</sup> (in)	C.W Pad OD (in)	length (in)
37-40	Acc	Acc	-	Acc	Acc	6 9/16"	3"	4 23/32"	7/8"	6 1/16"	4 7/16"	6 9/16"	5 5/16"	5/8"	4 5/8"	8 3/16"	6 1/16"	8 3/16"	19 5/8"	-	-
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<b>Conclusion :</b>		01 JOINTS-The Above Mentioned 5" OD Heavy Weight Drill Pipe Were Found Acceptable from Pin & Box Connection After Repair at the 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	
<sup>⊠</sup> Diameter	<sup>⊠</sup> Length	<sup>⊠</sup> Width	<sup>⊠</sup> Depth	<b>NP.</b> Not Present	<b>NA.</b> Not Applicable	
<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 Name:</b>	M.SARWAR	<b>Review By</b>			
<b>Qualification:</b>		<b>Senior Inspector:</b>	RAO SOHAIL	<b>Supervisor:</b>	M.FAHAD
<b>Signature:</b>					
				<b>Customer Name:</b>	
				<b>Customer Signature:</b>	

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

