

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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## AFTER REPAIR INSPECTION CERTIFICATE OF 5" HWDP

<b>Client Name:</b>	<b>DAQING DRILLING</b>	<b>Report No.:</b>	QC-2024-SEP-DQ-12-003
<b>Acceptance Criteria:</b>	<input checked="" type="checkbox"/> API SPEC 7-2	<b>Date Of Inspection:</b>	30.SEP.2024
<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	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	3520 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2950 μw/cm <sup>2</sup>
Magnetism Direction (Longitudinal)			
<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 (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)
DQ222	Acc	Acc	-	Acc	Acc	6 5/8"	3 1/16"	4 23/32"	7/8"	6 1/16"	4 7/16"	6 1/2"	5 5/16"	5/8"	4 5/8"	8 1/4"	6 1/16"	10 9/16"	12 3/8"	-	-

**Conclusion :** The Above Mentioned 5" 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	
<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>		<b>Review By</b>			
<b>Qualification:</b>		<b>Senior Inspector:</b> M.SARWAR	<b>Supervisor:</b> AHMED MOHAMMED	<b>Customer Name:</b>	
<b>Signature:</b>				<b>Customer Signature:</b>	

Original – Client Files

Copy - Area Office

QC/FN/DPI/NDT/006 Rev.00 DATED 07.NOV.2021

