

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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## CERTIFICATE OF INSPECTION FOR 5" HWDP

<b>Client Name:</b>	<b>DAQING DRILLING</b>	<b>Report No.:</b>	DQ-11-QC-24-04-RS-024
<b>Acceptance Creater:</b>	DS-1 Fifth Edition, Volume 3 CAT 3-5	<b>Date of Inspection:</b>	01.APR.2024
<b>Work Location:</b>	(EV-49)	<b>Rig No.:</b>	DQ-11
<b>Test Equipment &amp; Consumable Details</b>			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2025	<b>TECHNICAL DETAILS</b>	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 Due14.AUG.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	201504053 Cal.15.FEB.2024 Cal Due14.AUG.2024
INTENSITY METER	SR#160800134 CAL.Date Cal. 15.FEB.2024 Cal Due 14.AUG.2024	UV BLACK LIGHT	SR#1900084 Cal.15.FEB.2024 Cal Due14.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:	3050 μw/cm <sup>2</sup>
<b>Magnetism Direction (Longitudinal)</b>			
<b>METHODOLOGY:</b>	Through Visual inspection • Dimensional	•MPI inspection with Ultraviolet light Heat Checking Thread Profile Gauging.	
<b>Connection:</b>	<b>NC50</b>	<b>Size:</b>	<b>5"</b>

Serial No.	Visual Inspection				Black Light		Dimensional 3 Inspection															
	Pin	Box	Body	HB	Pin	Box	Pin						Box						Body			
							OD (in)	ID (in)	SRG φ (in)	SRG λ (in)	Bevel φ (in)	pinλ (in)	OD (in)	CB φ (in)	CB δ (in)	BB φ (in)	BB δ (in)	Bevel φ (in)	Seal φ	Pin Tong λ (in)	Box Tong λ (in)	Center Part φ (in)
001	SRG. P	Acc	Acc	√	Acc	Acc	6 9/16"	3 1/16"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 9/16"	5 5/16"	5/8"	4 5/8"	8 1/2"	6 1/16"	14/32"	15 1/2"	17 1/8"	5 1/2"
DQ-07	SRG. P&S. D	Acc	Acc	√	Acc	Acc	6 9/16"	3 1/16"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 9/16"	5 5/16"	5/8"	4 5/8"	8 1/2"	6 1/16"	14/32"	15"	17 1/4"	5 1/2"

**Conclusion:** The Above Mentioned 5" Heavy Weight Drill Pipe was Found UnAcceptable from Pin Connection SRG Pitted&Seal Damage Rejected.

### 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>φ</b> Diameter	<b>λ</b> Length	<b>σ</b> Width	<b>δ</b> 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> <span style="background-color: white; border: 1px solid black;">White</span> No Defects <span style="background-color: red; border: 1px solid black;">Red</span> Crack or Extreme <span style="background-color: blue; border: 1px solid black;">Blue</span> Damage <span style="background-color: green; border: 1px solid black;">Green</span> Seal Damage <span style="background-color: yellow; border: 1px solid black;">Yellow</span> ACFM					

<b>Inspector Name:</b>	<b>Review By</b>	
<b>Qualification:</b>	<b>Senior Inspector:</b> .FAHAD	<b>Supervisor:</b> WAQAS
<b>Signature:</b>		<b>Customer Name:</b>
		<b>Customer Signature:</b>
Original - Client Files	Copy - Area Office	QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021

