

# 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-22-QC-24-06-RS-006
<b>Acceptance Creater:</b>	DS-1 Fifth Edition, Volume 3 CAT 3-5	<b>Date of Inspection:</b>	10.JUNE.2024
<b>Work Location:</b>	RU-618	<b>Rig No.:</b>	DQ-22
<b>Test Equipment &amp; Consumable 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 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	3450 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2900 μw/cm <sup>2</sup>
Magnetism Direction (Longitudinal)			
<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			
	Pin	Box	Body	HB	Pin	Box	OD (in)	ID (in)	SRG φ (in)	NECK 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 ω	Pin Tong λ (in)	Box Tong λ (in)	Center Post φ (in)
37-60	Acc	Acc	Acc	√	Acc	Acc	6 5/8"	3 1/8"	-	7/16"	6 1/16"	4 1/2"	6 5/8"	5 5/16"	5/8"	-	-	6 1/16"	14/32"	21 3/4"	21 1/2"	5 1/2"
JHAC31350	Acc	Acc	Acc	√	Acc	Acc	6 5/8"	3 1/8"	-	7/16"	6 1/16"	4 1/2"	6 5/8"	5 5/16"	5/8"	-	-	6 1/16"	14/32"	21 1/2"	21 1/8"	5 1/2"
JHAC3026	Acc	Acc	Acc	√	Acc	Acc	6 5/8"	3 1/8"	-	7/16"	6 1/16"	4 1/2"	6 5/8"	5 5/16"	5/8"	-	-	6 1/16"	14/32"	21 1/2"	21 5/8"	5 1/2"
JHAC36102	Acc	Acc	Acc	√	Acc	Acc	6 5/8"	3 1/8"	-	7/16"	6 1/16"	4 1/2"	6 5/8"	5 5/16"	5/8"	-	-	6 1/16"	14/32"	21 1/2"	21 1/2"	5 1/2"
JHAC36110	Acc	Acc	Acc	√	Acc	Acc	6 5/8"	3 1/8"	-	7/16"	6 1/16"	4 1/2"	6 5/8"	5 5/16"	5/8"	-	-	6 1/16"	14/32"	21 5/8"	21 3/8"	5 1/2"
JHAC31027	Acc	Acc	Acc	√	Acc	Acc	6 5/8"	3 1/8"	-	7/16"	6 1/16"	4 1/2"	6 5/8"	5 5/16"	5/8"	-	-	6 1/16"	14/32"	21 1/8"	21 1/2"	5 1/2"

**Conclusion:** The Above Mentioned 5" Heavy Weight Drill Pipe was Found Acceptable from at time of Inspection ready to use. **NOTE:** Box Bore Back: unless waived by the customer all API connection NC 38 and larger that make up to BHA components shall be equipped with bore back boxes or they shall be rejected dimeter and length of the bore back cylinder shall be measured and shall meet the requirements of table 3.9

### 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>ω</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: #e0e0e0; padding: 2px;">White</span> No Defects <span style="background-color: #ff0000; padding: 2px;">Red</span> Crack or Extreme <span style="background-color: #0000ff; padding: 2px;">Blue</span> Damage <span style="background-color: #008000; padding: 2px;">Green</span> Seal Damage <span style="background-color: #ffff00; padding: 2px;">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

