

**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)



**CERTIFICATE OF INSPECTION FOR 5" HWDP**

<b>Client Name:</b>	<b>DAQING DRILLING</b>	<b>Report No.:</b>	DQ-22-QC-24-06-RS-003
<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	<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#1608000134 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>
<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			
	Pin	Box	Body	HB	Pin	Box	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 ϖ	Pin Tong λ (in)	Box Tong λ (in)	Center Post ϕ (in)
0775	Acc	Acc	Acc	-	Acc	Acc	6 5/8"	3 1/16"	4 23/32"	1"	6 1/16"	4 7/16"	6 5/8"	5 5/16"	5/8"	4 5/8"	8 1/4"	6 1/16"	14/32"	14 1/2"	20 1/4"	5 1/2"
106000925	Acc	Acc	Acc	√	Acc	Acc	6 5/8"	3 1/16"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 5/8"	5 5/16"	5/8"	4 5/8"	8 1/8"	6 1/16"	14/32"	8 1/4"	19 5/8"	5 1/2"
38888	Acc	Acc	Acc	-	Acc	Acc	6 5/8"	3 1/16"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 5/8"	5 5/16"	5/8"	4 5/8"	8"	6 1/16"	14/32"	9 1/16"	18 3/8"	5 1/2"
106000905	Acc	Acc	Acc	√	Acc	Acc	6 5/8"	3 1/16"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 5/8"	5 5/16"	5/8"	4 5/8"	8 3/8"	6 1/16"	14/32"	14 7/8"	18 1/2"	5 1/2"
106000923	Acc	Acc	Acc	√	Acc	Acc	6 5/8"	3 1/16"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 5/8"	5 5/16"	5/8"	4 5/8"	8 1/4"	6 1/16"	14/32"	15"	19 1/4"	5 1/2"
<b>Conclusion:</b>	The Above Mentioned 5" Heavy Weight Drill Pipe was Found Acceptable from 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>ϕ</b>	Diameter	<b>λ</b>	Length	<b>ϖ</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>		<b>White</b>	No Defects	<b>Red</b>	Crack or Extreme	<b>Blue</b>	Damage	<b>Green</b>	Seal Damage	<b>Yellow</b>	ACFM

<b>Inspector Name:</b>	.FAHAD		<b>Review By</b>		
<b>Qualification:</b>	Senior Inspector:	.FAHAD	Supervisor:	WAQAS	<b>Customer Name:</b>
<b>Signature:</b>					<b>Customer Signature:</b>

Original - Client Files      Copy - Area Office      QC/FN/DJ-PB/029      Rev.00 dated 07.Nov2021

