

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 / hany.akafi@qualitycontrol-iraq.com



CERTIFICATE OF INSPECTION FOR 5" HWDP

Client Name:	DAQING DRILLING	Report No.:	DQ-37-QC-24-04-RS-002
Acceptance Creater:	DS-1 Fifth Edition, Volume 3 CAT 3-5	Date of Inspection:	07.APR.2024
Work Location:	(RU-610)	Rig No.:	DQ-12
Test Equipment & Consumable Details			
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	3500 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3050 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	Through Visual inspection • Dimensional	•MPI inspection with Ultraviolet light Heat Checking Thread Profile Gauging.	
Connection:	NC50	Size:	5"

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)	pin λ (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)	
9969	S.D & G.T	T.D	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"	6.1/16"	14/32"	19.3/4"	19.5/8"	5.1/2"	
3334	T.D	G.T	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"	6.1/16"	14/32"	16.1/2"	16.5/8"	5.1/2"	
<p>Conclusion: The Above Mentioned 5" Heavy Weight Drill Pipe was Found UnAcceptable from Pin Connection Seal&Thread Damage&Galled Thread&Box Connection Thread Damage&Galled Thread Rejected.</p>																							

Abbreviations :

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore	
φ Diameter	λ Length	σ Width	δ Depth	NP Not Present	NA Not Applicable	
EGR Elevator Groove Recess	SGR Slip Groove Recess	CR Crack	B Bent	PC Premium Class	RF Reface	
GT Galled Thread	TP Thread Pitting	SP Seal Pitting	TD Thread Damage	SD Seal Damage	M Mashed	
1 100 % Coating	2 99-71 % Coating	3 70-40 % Coating	4 Up to 40 %	5 Nil	WT Wall Thickness	
Colors Code:		White No Defects	Red Crack or Extreme	Blue Damage	Green Seal Damage	Yellow ACFM

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

