

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:	ZHONGMAN PETROLEUM AND NATURAL GAS GROUP CROP,LTD	Report No.:	ZPEC-25-QC-24-05-RS-009
Acceptance Creater:	DS-1 Fifth Edition, Volume 3 CAT 3-5	Date of Inspection:	23.MAY.2024
Work Location:	AW-66	Rig No.:	ZPEC-25
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#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	3520 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2950 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)	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 Pad ϕ (in)	
JZ1218-590	Acc	Acc	Acc	-	Acc	Acc	6.9/16"	3.1/16"	4.23/32"	3/4"	6.1/16"	4 1/2"	6.9/16"	5.5/16"	5/8"	4 5/8"	8 1/4"	6.1/8"	14/32"	19.7/8"	26 1/4"	5 1/2"	
JZ1218-588	Acc	Acc	Acc	√	Acc	Acc	6.9/16"	3.1/16"	4.23/32"	1"	6.1/16"	4 1/2"	6.9/16"	5.5/16"	5/8"	4 5/8"	8.3/8"	6.1/8"	14/32"	15"	20.7/8"	5 1/2"	
17P418	Acc	Acc	Acc	√	Acc	Acc	6.9/16"	3.1/16"	4.23/32"	3/4"	6.1/16"	4 1/2"	6.9/16"	5.5/16"	5/8"	4 5/8"	8 1/4"	6.1/8"	14/32"	16 1/4"	21 1/2"	5 1/2"	
JZ1218-495	Acc	Acc	Acc	√	Acc	Acc	6.9/16"	3.1/16"	4.23/32"	1"	6.1/16"	4 1/2"	6.9/16"	5.5/16"	5/8"	4 5/8"	7.7/8"	6.1/8"	14/32"	15 1/4"	17 1/4"	5 1/2"	
2227	Acc	Acc	Acc	√	Acc	Acc	6.9/16"	3.1/8"	4.23/32"	1"	6.1/16"	4 1/2"	6.9/16"	5.5/16"	5/8"	4 5/8"	8 1/4"	6.1/8"	14/32"	19.5/8"	16 1/2"	5 1/2"	

Conclusion: The Above Mentioned 5" Heavy Weight Drill Pipe was Found Acceptable from at time of Inspection (Ready for Use).

Abbreviations :

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
ϕ Diameter	λ Length	ϖ 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:	M. FAHAD			Review By		
Qualification:	Senior Inspector:	M. FAHAD	Supervisor:	MOHAMED WAQAS	Customer Name:	
Signature:					Customer Signature:	
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021		

