

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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CERTIFICATE OF INSPECTION FOR 5" HWDP

Client Name:	ZHONGMAN PETROLEUM AND NATURAL GAS GROUP CROP,LTD	Report No.:	ZPEC-25-QC-24-05-RS-012
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 & Consumeable 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 • MPI inspection with Ultraviolet light • Dimensional Heat Checking Thread Profile Gauging.		
Connection:	NC50	Size:	5"

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 Pad ϕ (in)		
21P320	Acc	S.D	Acc	-	Acc	Acc	6 9/16"	3 1/16"	4 23/32"	7/8"	6 1/16"	4 ½"	6 9/16"	5 5/16"	5/8"	4 5/8"	8"	6 1/8"	14/32"	15 3/8"	17 ¼"	5 ½"		
JZ1218-514	Acc	T.P	Acc	√	Acc	Acc	6 9/16"	3 1/16"	4 23/32"	¾"	6 1/16"	4 ½"	6 9/16"	5 5/16"	5/8"	4 5/8"	8 ¾"	6 1/8"	14/32"	15 7/16"	27 ½"	5 ½"		
20P148	Acc	T.P	Acc	√	Acc	Acc	6 9/16"	3 1/16"	4 23/32"	¾"	6 1/16"	4 ½"	6 9/16"	5 5/16"	5/8"	4 5/8"	8 ½"	6 1/8"	14/32"	11 ½"	26 ½"	5 ½"		
9P414	Acc	T.P	Acc	√	Acc	Acc	6 9/16"	3 1/16"	4 23/32"	¾"	6 1/16"	4 ½"	6 9/16"	5 5/16"	5/8"	4 5/8"	8 ½"	6 1/8"	14/32"	20 ½"	21 ¼"	5 ½"		
Conclusion:			The Above Mentioned 5" Heavy Weight Drill Pipe was Found UnAcceptable from Box Connection Thread Pitted&Seal Damage Rejected.																					

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:	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			

