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QUALITY CONTROL

AFTER REPAIR INSPECTION CERTIFICATE OF 8” DRILL COLLAR

Client Name:	**ZHONGMAN PETROLEUM AND NATURAL GAS GROUP CROP,LTD**	Report No.:	QC-B-07-25-0404-4
Acceptance Criteria.	☑API SPEC 7-2	Date Of Inspection:	10.July.2025
Work Location:	**ABERDEEN WORKSHOP**	Rig Name	ZPEC-16
Test Equipment & Consumeable Details			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#.220605 Manufacture: Magnaflux Exp Date: JULY.2026	COIL(1200 AMP-TURNS/IN	22713 Cal.12.May.2025 Cal Due11.Nov.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2026	A.C HAND YOKE	PY-10 Cal.12.May.2025 Cal Due11.Nov.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 12.May.2025 Cal Due 11.Nov.2 025	UV BLACK LIGHT	SR#1895313 Cal.12.May.2025 Cal Due11.Nov.2025
LEAD GAGE	SR#AH07KF0026 GAEMAKER LG- Cal. 12.May.2025 Cal Due 11.Nov.2025	THREAD PROFILE GAGE	SR#21336 Cal. Cal.12.May.2025 Cal Due11.Nov.2025 SR#21335 Cal. Cal.12.May.2025 Cal Due11.Nov.2025
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/cm²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	• Through Visual inspection • Dimensional 3	•MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gauging.	
Connection:	**6-5/8 Reg**	**Size:**	**8”**

Serial No.	Visual Inspection			MPI			Dimensional 3 Inspection																
							Pin						Box						Body				
	Pin	Box	Body	Pin	Box	Body	OD (in)	ID (in)	SRG ▯ (in)	SRG ▯ (in)	Pin ▯ (in)	Bevel ▯ (in)	OD (in)	CB ▯ (in)	CB ▯ (in)	BB ▯ (in)	BB ▯ (in)	Bevel ▯ (in)	Pin Tong ▯ (in)	Box Tong ▯ (in)	EGR ▯ (in)	SGR ▯ (in)	Overall ▯ ▯ (In)
7T1212-195	Acc.	-	-	Acc.	-	-	8-1/16”	2-15/16”	5-3/8”	¾”	4-15/16”	7-1/2”	-	-	-	-	-	-	18”	-	-	-	-
Conclusion:	■ **(01) The above Mentioned 8” Drill Collar were found “Acceptable” from PIN Connection After Repair at time of Inspection. Ready to use.**																						

Abbreviations

OD	*Outside Diameter*	**ID**	*Inside Diameter*	**SRG**	*Stress Relief Groove*	**CB**	*Counter Bore*	**BB**	*Bore Back*	**FB**	*Float Bore*
▯	*Diameter*	▯	*Length*	▯	*Width*	▯	*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:	Tayyab Mehmood	**Review By**					
Qualification:	ASNT Level II (MT,PT,UT)	**Senior Inspector:**	NAVEED HUSSAAIN	**Supervisor:**	AHMED MOHAMMAD	**Customer Name:**	
Signature:						**Customer Signature:**	

Al Takamul Company NDT Quality Control For Engineering Services

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