

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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AFTER REPAIR INSPECTION CERTIFICATE OF 8-1/2" DRILL COLLAR

Client Name:	ZHONGMAN PETROLEUM AND NATURAL GAS GROUP CROP,LTD	Report No.:	QC-B-07-25-0404-2
Acceptance Criteria:	<input checked="" type="checkbox"/> 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.2025	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/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> Through Visual inspection Dimensional 3 		<ul style="list-style-type: none"> MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gaiging.
Connection:	6-5/8 Reg	Size:	8-1/2"

Serial No.	Visual Inspection			MPI			Dimensional 3 Inspection																
	Pin	Box	Body	Pin	Box	Body	Pin					Box					Body						
							OD (in)	ID (in)	SRG ² (in)	SRG ² (in)	Pin ² (in)	Bevel ² (in)	OD (in)	CB ² (in)	CB ² (in)	BB ² (in)	BB ² (in)	Bevel ² (in)	Pin Tong ² (in)	Box Tong ² (in)	EGR ² (in)	SGR ² (in)	Overall ² (in)
P26-19118	-	Acc.	-	-	Acc.	-	-	-	-	-	-	-	8-1/2"	6-1/16"	5/8"	5-9/32"	8-3/8"	7-3/4"	-	38"	-	-	-
01P0816	-	Acc.	-	-	Acc.	-	-	-	-	-	-	-	8-1/2"	6-1/16"	5/8"	5-9/32"	8-3/8"	7-3/4"	-	26"	-	-	-

Conclusion: (02) The above Mentioned 8-1/2" Drill Collar were found "Acceptable" from BOX 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	
² Diameter	² Length	² Width	² 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 1 (MT,PT,UT)	Senior Inspector:	NAVEED HUSSAAIN	Supervisor:	AHMED MOHAMMAD
Signature:					Customer Name:
					Customer Signature:

Original - Client Files

Copy - Area Office

QC/FN/AF,REP/026 Rev.00 Dated 07 NOV 2021

