

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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## AFTER REPAIR INSPECTION CERTIFICATE OF 9-1/2" DRILL COLLAR

<b>Client Name:</b>	<b>ZHONGMAN PETROLEUM AND NATURAL GAS GROUP CROP,LTD</b>	<b>Report No.:</b>	QC-B-06-25-0388-1
<b>Acceptance Criteria:</b>	<input checked="" type="checkbox"/> <b>API SPEC 7-2</b>	<b>Date Of Inspection:</b>	01-July-2025
<b>Work Location:</b>	<b>ABERDEEN WORKSHOP</b>	<b>Rig Name</b>	ZPEC-27
<b>Test Equipment &amp; Consumable Details</b>			
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 <sup>2</sup>
Magnetism Direction (Longitudinal)			
<b>METHODOLOGY:</b>	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dimensional 3</li> </ul>		<ul style="list-style-type: none"> <li>• MPI inspection with Ultraviolet light</li> <li>*Lead Gaiging, &amp; Thread Profile Gauging.</li> </ul>
<b>Connection:</b>	<b>7-5/8 Reg</b>	<b>Size:</b>	<b>9-1/2"</b>

Serial No.	Visual Inspection			MPI			Dimensional 3 Inspection																
	Pin	Box	Body	Pin	Box	Body	Pin					Box					Body						
							OD (in)	ID (in)	SRG <sup>2</sup> (in)	SRG <sup>2</sup> (in)	Pin <sup>2</sup> (in)	Bevel <sup>2</sup> (in)	OD (in)	CB <sup>2</sup> (in)	CB <sup>2</sup> (in)	BB <sup>2</sup> (in)	BB <sup>2</sup> (in)	Bevel <sup>2</sup> (in)	Pin Tong <sup>2</sup> (in)	Box Tong <sup>2</sup> (in)	EGR <sup>2</sup> (in)	SGR <sup>2</sup> (in)	Overall <sup>2</sup> (in)
1S624	-	Acc.	-	-	Acc.	-	-	-	-	-	-	-	9-1/2"	7-1/16"	5/8"	5-7/8"	8-3/4"	8-1/2"	-	43"	-	-	-
<b>Conclusion:</b>		<b>■ (01) The above Mentioned 9-1/2" Drill Collar were found "Acceptable" from BOX Connection After Repair at time of Inspection. Ready to use.</b>																					

### Abbreviations

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

<b>Inspector Name:</b>	Tayyab Mehmood	<b>Review By</b>					
<b>Qualification:</b>		<b>Senior Inspector:</b>	Muhammad Shehzad	<b>Supervisor:</b>	AHMED MOHAMMAD	<b>Customer Name:</b>	
<b>Signature:</b>						<b>Customer Signature:</b>	
Original - Client Files		Copy - Area Office		QC/FN/AF,REP/026 Rev.00		Dated 07 NOV 2021	

