

**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](mailto:OP@qualitycontrol-iraq.com) / [hany.akafi@qualitycontrol-iraq.com](mailto:hany.akafi@qualitycontrol-iraq.com)



**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-06-25-0388-2
<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>• MPI inspection with Ultraviolet light</li> <li>• Dimensional 3</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 (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)		
1P223	Acc.	-	-	Acc.	-	-	9-1/2"	3"	6-3/8"	1"	5-1/4"	8-1/2"	-	-	-	-	-	-	-	40"	-	-	-	-	-
<b>Conclusion:</b>		<p>■ (01) The above Mentioned 9-1/2" Drill Collar were found "Acceptable" from PIN Connection After Repair at time of Inspection. Ready to use.</p>																							

**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	
☐ Diameter	☐ Length	☐ Width	☐ Depth	NP. Not Present	NA. 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	

