

# AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

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## AFTER REPAIR INSPECTION CERTIFICATE OF 8" DRILL COLLAR

<b>Client Name:</b>	DAQING DRILLING COMPANY	<b>Report No.:</b>	QC-ATS-WSH-01-24-0020-DC02
<b>Acceptance Criteria:</b>	<input checked="" type="checkbox"/> API SPEC 7-2	<b>Date Of Inspection:</b>	23-01-2024
<b>Work Location:</b>	ABERDEEN WORKSHOP	<b>Rig Name</b>	DQ-37
<b>Test Equipment &amp; Consumeable Details</b>			
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	RC2-060120151 Cal. 21.FEB.2023 Cal Due 20.AUG.2023
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	21332 Cal 21.FEB.2023 Cal Due 20.AUG.2023
INTENSITY METER	SR#1608000134 Cal.21.FEB.2023 Cal Due 20.AUG.2023	UV BLACK LIGHT	SR#52852 Cal. 21.FEB.2023 Cal Due 20. AUG.2023
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date. 19.FEB.2023 CAL Due Date 18.AUG.2023	THREAD PROFILE GAGE	SR#21336 CAL.Date.19. FEB. 2023 CAL Due Date.18. AUG. 2023 SR#21335 CAL.Date.21. FEB.2023 CAL Due Date. 20.AUG.2023
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3500 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2850 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, Taper Gaiging &amp; Thread Profile Gaiging.</li> </ul>		
<b>Connection:</b>	<b>6 5/8 REG</b>	<b>Size:</b>	<b>8"</b>

Serial No.	Visual Inspection			MPI			Dimensional 3 Inspection																
	Pin	Box	Body	Pin	Box	Body	Pin						Box					Body					
							OD (in)	ID (in)	SRG $\square$ (in)	SRG $\square$ (in)	Pin $\square$ (in)	Bevel $\square$ (in)	OD (in)	CB $\square$ (in)	CB $\square$ (in)	BB $\square$ (in)	BB $\square$ (in)	Bevel $\square$ (in)	Pin Tong $\square$ (in)	Box Tong $\square$ (in)	EGR $\square$ (in)	SGR $\square$ (in)	Overall $\square$ (in)
05000074	-	Acc	-	-	Acc	-	-	-	-	-	-	-	8"	6 1/16"	5/8"	5 1/4"	8 11/16"	7 1/2"	-	37 1/8"	-	-	-
<b>Conclusion:</b>		<p>■ (01) The above Mentioned 8" Drill Collar was found "Acceptable" from Box Connection After Repair at time of Inspection ready to use.</p>																					

### Abbreviations

OD	Outside Diameter	ID	Inside Diameter	SRG	Stress Relief Groove	CB	Counter Bore	BB	Bore Back	FB	Float Bore
$\square$	Diameter	$\square$	Length	$\square$	Width	$\square$	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
<b>Colors Code:</b>		White	No Defects	Red	Crack or Extreme	Blue	Damage	Green	Seal Damage	Yellow	ACFM

<b>Inspector Name:</b>		<b>Review By</b>					
<b>Qualification:</b>		<b>Senior Inspector:</b>	RAO SOHAIL	<b>Supervisor:</b>	WAQAS AWAN	<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	



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							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)				
11307	Acc	-	-	Acc	-	-	8"	3"	5 3/8"	3/4"	4 9/16"	7 3/16"	-	-	-	-	-	-	-	-	-	-	10 1/16"	-	-	-	-

**Conclusion:** ■ (01) The above Mentioned 8" Drill Collar was found "Acceptable" from Pin Connection After Repair at time of Inspection ready to use.

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