

# 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 8" DRILL COLLAR

Client Name:	<b>DAQING DRILLING</b>	Report No.:	QC-09-24-0153-006
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2	Date Of Inspection:	22, Sep, 2024
Work Location:	<b>ABERDEEN WORKSHOP</b>	Rig Name	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	22713 Cal.25.JUL.2024 Cal Due 24.FEB.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March, 2025	A.C HAND YOKE	PY-10 Cal.25.JUL.2024 Cal Due 24.FEB.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 25.JUL.2024 Cal Due 24.FEB.2025	UV BLACK LIGHT	SR#1895313 Cal.25.JUL.2024 Cal Due 24.FEB.2025
LEAD GAGE	SR#AH07KF0026 GAEMAKER LG- Cal. 25.JUL.2024 Cal Due 24.FEB.2025	THREAD PROFILE GAGE	SR#21336 Cal. Cal.25.JUL.2024 Cal Due 24.FEB.2025 SR#21335 Cal. Cal.25.JUL.2024 Cal Due 24.FEB.2025
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:	3050 $\mu\text{w}/\text{cm}^2$
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<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 Gaiging.</li> </ul>
Connection:	<b>6 5/8" Reg</b>	Size:	<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 W $\square$ (in)	Pin $\square$ (in)	Bevel $\square$ (in)	OD (in)	CB $\square$ (in)	CBW $\square$ (in)	BB $\square$ (in)	BBL $\square$ (in)	Bevel $\square$ (in)	Pin $\square$ (in)	Tong $\square$ (in)	Box $\square$ (in)	Tong $\square$ (in)	EGR $\square$ (in)
DQ-01	-	Acc	-	-	Acc	-	-	-	-	-	-	-	8 1/16"	6 1/16"	5/8"	5 18/64"	8 1/4"	7 9/16"	-	20 7/8"	-	-	-
33115	-	Acc	-	-	Acc	-	-	-	-	-	-	-	8 1/16"	6 1/16"	5/8"	5 18/64"	8 7/16"	7 9/16"	-	36 1/2"	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conclusion:		<b>■ (02) The above Mentioned 8" Drill Collar were found "Acceptable" from Box Connection After Repair at time of Inspection ready to use.</b>																					

### 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
Colors Code:		White	No Defects	Red	Crack or Extreme	Blue	Damage	Green	Seal Damage	Yellow	ACFM

Inspector Name:	M.SARWAR	Review By				
Qualification:		Senior Inspector:	RAO SOHAIL	Supervisor:	M.FAHAD	Customer Name:
Signature:						Customer Signature:
Original - Client Files		Copy - Area Office				
QC/FN/AF,REP/026 Rev.00 Dated 07 NOV 2021						

