

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 / hany.akafi@qualitycontrol-iraq.com



5" HEAVY WEIGHT DRILL PIPE INSPECTION CERTIFICATE

Client Name:	DAQING DRILLING CO.	Report No.:	2024-0091-001
Acceptance Creater:	DS-1 Fifth Edition, Volume 3 CAT 3-5	Date of Inspection:	11/3/2024
Work Location:	DQ.BASE	RIG NAME:	DQ-030
Test Equipment & Consumeable Details			
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	SC 22713 Cal. .14.FEB.2024 Cal Due 15AUG.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	201504053 Cal. .14.FEB.2024 Cal Due 15AUG.2024
INTENSITY METER	SR# R.043943 Cal.14.FEB.2024 Cal Due 15AUG.2024	UV BLACK LIGHT	SR#1900084 Cal. .14.FEB.2024 Cal Due 15AUG.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date.14.FEB.2024 CAL Due Date 15AUG.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date.14.FEB.2024 CAL Due Date15AUG.2024 SR#21335 CAL.D.14.FEB.2024 CAL Due Date. 15AUG.2024
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
Magnitism Direction (Longitudenal)			
METHODOLOGY:	• Through Visual inspection • Dimensional 3 • MPI inspection with Ultraviolet light *Heat Checking		
Connection:	NC 50	Size:	5"

Serial No.	Visual Inspection		Black Light		Dimensional 3 Inspection																	
	Pin	Box	Body	Pin	Box	Pin							Box						Body			
						OD (in)	ID (in)	SRG ϕ (in)	SRG ϖ (in)	Bevel ϕ (in)	pin λ (in)	Seal ϖ	OD (in)	CB ϕ (in)	CB δ (in)	BB ϕ (in)	BB δ (in)	Bevel ϕ (in)	Seal ϖ	Pin Tong λ (in)	Box Tong λ (in)	Box Tong g λ (in)
333	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	1"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	19"	19 1/2"	5 1/2"
10001416	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	3/4"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	19 1/4"	24"	5 1/2"
10001413	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	1"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	23"	24 1/2"	5 1/2"
00444	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	1"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	18 3/4"	20"	5 1/2"
48888	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	3/4"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	19 3/4"	24 1/2"	5 1/2"

Conclusion: ■ 05 Heavy Weight Drill Pipe above were found "Acceptable". At time of Inspection.

Abbreviations :

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
ϕ Diameter	λ Length	ϖ Width	δ 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:	Red Re-cut Conn.	Yellow 2 nd Class	Orange 3 rd Class	Blue Short T. Joint	Green Need Hard Banding

Inspector	HAMZA ALI	Review By					
Qualification:	ASNT Level II (MT)	Senior Inspector:	MOHAMED FAHAD	Supervisor:	WAQAS AHAMED	Customer Name:	
Signature:						Customer Signature:	
Original - Client Files		Copy - Area Office		QC/FN/AF,REP/026 Rev.00 Dated 01 AUG 2021			





5" HEAVY WEIGHT DRILL PIPE INSPECTION CERTIFICATE

Client Name:	DAQING DRILLING CO.	Report No.:	2024-0091-002
Acceptance Creater:	DS-1 Fifth Edition, Volume 3 CAT 3-5	Date of Inspection:	11/3/2024
Work Location:	DQ.BASE	RIG NAME:	DQ-030
Test Equipment & Consumable Details			
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	SC 22713 Cal. .14.FEB.2024 Cal Due 15AUG.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	201504053 Cal. .14.FEB.2024 Cal Due 15AUG.2024
INTENSITY METER	SR# R.043943 Cal.14.FEB.2024 Cal Due 15AUG.2024	UV BLACK LIGHT	SR#1900084 Cal. .14.FEB.2024 Cal Due 15AUG.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date.14.FEB.2024 CAL Due Date 15AUG.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date.14.FEB.2024 CAL Due Date 15AUG.2024 SR#21335 CAL.D.14.FEB.2024 CAL Due Date. 15AUG.2024
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
Magnitism Direction (Longitudenal)			
METHODOLOGY:	• Through Visual inspection • Dimensional 3 • MPI inspection with Ultraviolet light *Heat Checking		
Connection:	NC 50	Size:	5"

Serial No.	Visual Inspection		Black Light		Dimensional 3 Inspection																		
	Pin	Box	Body	Pin	Box	Pin						Box						Body					
						OD (in)	ID (in)	SRGφ (in)	SRG w (in)	Bevel φ (in)	pinλ (in)	Seal w	OD (in)	CB φ (in)	CB δ (in)	BB φ (in)	BB δ (in)	Bevel φ (in)	Seal w	Pin Tong λ (in)	Box Tong λ (in)	Center Pad φ (in)	
10001430	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	3/4"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	19 1/2"	24 1/2"	5 1/2"	
10001403	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	1"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	23 1/2"	16 1/2"	5 1/2"	
06000926	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	-	-	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	19"	19 1/2"	5 1/2"	
9680	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	3/4"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	-	-	6 1/8"	19/32"	22 1/2"	27 1/2"	5 1/2"	
0888	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	-	-	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	18 1/2"	16 1/2"	5 1/2"	

Conclusion: ■ 05 Heavy Weight Drill Pipe above were found "Acceptable". At time of Inspection.
 Pin Stress Relief Groove: Unless waived by the customer, all API connection NC38 and larger that make up to BHA components shall be equipped with pin stress relief grooves or they shall be rejected they diameter and width of the API pin stress relief grooves shall be measured and shall meet the requirements of table 3.8 for drill collers and table 3.9.1 for HWDP
 Box Bore Back: unless waived by the customer all API connection NC 38 and larger that make up to BHA components shall be equipped with bore back boxes or they shall be rejected diameter and length of the bore back cylinder shall be measured and shall meet the requirements of table 3.8 for drill collers and table 3.9.1 for HWDP

Abbreviations :

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
φ Diameter	λ Length	w Width	δ 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:					
Red	Re-cut Conn.	Yellow	2 nd Class	Orange	3 rd Class
Blue	Short T. Joint	Green	Need Hard Banding		

Inspector:	HAMZA ALI	Review By			
Qualification:	ASNT Level II (MT)	Senior Inspector:	MOHAMED FAHAD	Supervisor:	WAQAS AHAMED
Signature:					
					Customer Signature:

Original - Client Files Copy - Area Office QC/FN/AF,REP/026 Rev.00 Dated 01 AUG 2021





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5" HEAVY WEIGHT DRILL PIPE INSPECTION CERTIFICATE

Client Name:	DAQING DRILLING CO.	Report No.:	2024-0091-003
Acceptance Creater:	DS-1 Fifth Edition, Volume 3 CAT 3-5	Date of Inspection:	11/3/2024
Work Location:	DQ.BASE	RIG NAME:	DQ-030
Test Equipment & Consumable Details			
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	SC 22713 Cal. .14.FEB.2024 Cal Due 15AUG.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	201504053 Cal. .14.FEB.2024 Cal Due 15AUG.2024
INTENSITY METER	SR# R.043943 Cal.14.FEB.2024 Cal Due 15AUG.2024	UV BLACK LIGHT	SR#1900084 Cal. .14.FEB.2024 Cal Due 15AUG.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date.14.FEB.2024 CAL Due Date 15AUG.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date.14.FEB.2024 CAL Due Date15AUG.2024 SR#21335 CAL.D.14.FEB.2024 CAL Due Date. 15AUG.2024
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
Magnitism Direction (Longitudenal)			
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • Dimensional 3 		<ul style="list-style-type: none"> •MPI inspection with Ultraviolet light *Heat Checking
Connection:	NC 50	Size:	5"

Serial No.	Visual Inspection			Black Light	Dimensional 3 Inspection																	
	Pin	Box	Body		Pin						Box						Body					
					Pin	Box	OD (in)	ID (in)	SRG ϕ (in)	SRG ϖ (in)	Bevel ϕ (in)	pin λ (in)	Seal ϖ	OD (in)	CB ϕ (in)	CB δ (in)	BB ϕ (in)	BB δ (in)	Bevel ϕ (in)	Seal ϖ	PTH	Tong λ (in)
10001421	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	1"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	23 3/4"	22 1/4"	5 1/2"
10001424	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	3/4"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	19 3/4"	16 3/4"	5 1/2"
10001422	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	3/4"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	19 3/4"	24 3/4"	5 1/2"
55555	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	3/4"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	15 3/4"	16 1/4"	5 1/2"
10001419	Acc	Acc	Acc	Acc	Acc	6 1/2"	3 1/8"	4 11/16"	1"	6 1/8"	4 7/16"	19/32"	6 1/2"	5 5/16"	20/32	4 5/8"	8 1/4"	6 1/8"	19/32"	23"	24"	5 1/2"

Conclusion:

■ 05 Heavy Weight Drill Pipe above were found "Acceptable". At time of Inspection.

Abbreviations :

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
ϕ Diameter	λ Length	ϖ Width	δ 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:	Red Re-cut Conn.	Yellow 2 nd Class	Orange 3 rd Class	Blue Short T. Joint	Green Need Hard Banding

Inspector:	HAMZA ALI	Review By					
Qualification:	ASNT Level II (MT)	Senior Inspector:	MOHAMED FAHAD	Supervisor:	WAQAS AHAMED	Customer Name:	
Signature:						Customer Signature:	

Original - Client Files Copy - Area Office QC/FN/AF,REP/026 Rev.00 Dated 01 AUG 2021





AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com

5" HEAVY WEIGHT DRILL PIPE INSPECTION CERTIFICATE

Table with inspection details including Client Name (DAQING DRILLING CO.), Report No. (2024-0091-004), Date of Inspection (11/3/2024), and Test Equipment & Consumable Details.

Table for Dimensional 3 Inspection with columns for Visual Inspection, Black Light, Pin, Box, and Body measurements.

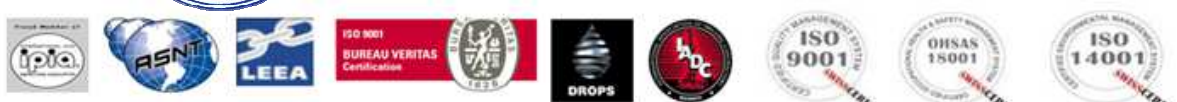
Conclusion: 05 Heavy Weight Drill Pipe above were found "Acceptable". At time of Inspection.

Abbreviations :

Table of abbreviations and their meanings, such as OD (Outside Diameter), ID (Inside Diameter), SRG (Stress Relief Groove), etc.

Table for Inspector (HAMZA ALI) and Review By (MOHAMED FAHAD, WAQAS AHAMED) with Qualification and Signature fields.

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AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com

5" HEAVY WEIGHT DRILL PIPE INSPECTION CERTIFICATE

Table with inspection details including Client Name (DAQING DRILLING CO.), Report No. (2024-0091-004), Date of Inspection (11/3/2024), and Test Equipment & Consumable Details.

Table for Dimensional 3 Inspection with columns for Serial No., Visual Inspection, Black Light, Pin, Box, and Body. Includes a conclusion: '04 Heavy Weight Drill Pipe above were found NOT Acceptable FROM SADE PIN & BOX. At time of Inspection.'

Abbreviations :

Table of abbreviations and their meanings, such as OD (Outside Diameter), ID (Inside Diameter), SRG (Stress Relief Groove), CB (Counter Bore), BB (Bore Back), FB (Float Bore), etc.

Table for Inspector and Review By information, including Inspector Name (SHERIF MOHAMED), Senior Inspector (MOHAMED FAHAD), Supervisor (WAQAS AHAMED), and Customer Name/Signature.

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