



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

Client Name:	Hong Hua Oil & Gas Engineering Services Ltd	Report No.:	QC-B-02-25-0057-15
Acceptance Creater:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	21-February -2025
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	HH-008
Test Equipment & Consumeable Details			
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	SC 22713 Cal.15.Jan.2025 Cal Due14.July.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2026	A.C HAND YOKE	201504053 Cal.15.Jan.2025 Cal Due14.July.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.Jan.2025 Cal Due 14.July.2025	UV BLACK LIGHT	SR#1900084 Cal.15.Jan.2025 Cal Due14.July.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.Jan.2025 Cal Due 12.July.2025	THREAD PROFILE GAGE	SR#21336 Cal. 13.Jan.2025 Cal Due 12.July.2025 SR#21335 Cal. 15. Jan.2025 Cal Due 14.July.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3450Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3000 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	• Through Visual inspection • Dimensional 3 • MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gauging.		
Connection:	7 5/8 REG	Size:	9 1/2"

S/N	Visual Inspection			MPI			Dimensional 3 Inspection																
							Pin					Box					Body						
	Pin	Box	Body	Pin	Box	Body	OD (in)	ID (in)	SRG □ (in)	SRG W □ (in)	Pin □ (in)	Bevel □ (in)	OD (in)	CBD □ (in)	CBW □ (in)	BB □ (in)	BBL □ (in)	Bevel □ (in)	Pin Tong □ (in)	Box Tong □ (in)	EGR □ (in)	SGR □ (in)	Overall □ (Feet)
H05	Acc.	Acc.	--	Acc.	Acc.	--	9 1/2"	3"	6 3/8"	3/4"	5 1/4"	8 3/4"	9 1/2"	7/16"	5/8"	5 7/8"	9 1/4"	8 5/8"	16 7/8"	23 5/8"	29.7

Conclusion: 01 The Above Mentioned Drill Collar was found "Acceptable" From Pin Side & Box Side After Repair At the time of Inspection

Abbreviations :

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
□ Diameter	□ Length	□ Width	□ 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	PT Pitting Thread	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 Damage.	Blue Damage	Green Seal Damage	Yellow ACFM

Inspector Name:		Review By			
Qualification:	Senior Inspector: M.SARWAR	Supervisor: Ahmed Mohammed	Customer Name:		
Signature:			Customer Signature:		

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





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

Client Name:	Hong Hua Oil & Gas Engineering Services Ltd	Report No.:	QC-B-02-25-0057-16
Acceptance Creater:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	21-February -2025
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	HH-008
Test Equipment & Consumable Details			
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	SC 22713 Cal.15.Jan.2025 Cal Due 14.July.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March,2026	A.C HAND YOKE	201504053 Cal.15.Jan.2025 Cal Due 14.July.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.Jan.2025 Cal Due 14.July.2025	UV BLACK LIGHT	SR#1900084 Cal.15.Jan.2025 Cal Due 14.July.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.Jan.2025 Cal Due 12.July.2025	THREAD PROFILE GAGE	SR#21336 Cal. 13.Jan.2025 Cal Due 12.July.2025 SR#21335 Cal. 15. Jan.2025 Cal Due 14.July.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3450Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3000 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	• Through Visual inspection • Dimensional 3 • MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gauging.		
Connection:	7 5/8 REG	Size:	9 1/2"

S/N	Visual Inspection			MPI			Dimensional 3 Inspection															
	Pin	Box	Body	Pin	Box	Body	Pin					Box					Body					
							OD (in)	ID (in)	SRG □ (in)	SRG W □ (in)	Pin □ (in)	Bevel □ (in)	OD (in)	CBD □ (in)	CBW □ (in)	BB □ (in)	BBL □ (in)	Bevel □ (in)	Pin Tong □ (in)	Box Tong □ (in)	EGR □ (in)	SGR □ (in)
111316	--	Acc.	--	--	Acc.	--	--	--	--	--	--	9 1/2"	7/16"	5/8"	5/8"	8 7/8"	8 3/4"	--	23 1/2"	...	--	29
1303340	--	Acc.	--	--	Acc.	--	--	--	--	--	--	9 1/2"	7/16"	5/8"	5/8"	9 1/8"	8 7/8"	--	40 1/8"	...	--	29.7
H12	--	Acc.	--	--	Acc.	--	--	--	--	--	--	9 1/2"	7/16"	5/8"	5/8"	8 5/8"	8 3/4"	--	40 1/4"	--	--	29.3

Conclusion: 03 The Above Mentioned Drill Collar was found "Acceptable" From Box Side After Repair At the time of Inspection

Abbreviations :

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
□ Diameter	□ Length	□ Width	□ 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	PT Pitting Thread	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 Damage.	Blue Damage	Green Seal Damage	Yellow ACFM

Inspector Name:	Mohammed Magdy	Review By			
Qualification:	ASNT I	Senior Inspector: M.SARWAR	Supervisor: Ahmed Mohammed	Customer Name:	
Signature:				Customer Signature:	
Original - Client Files		Copy - Area Office QC/FN/AF,REP/026 Rev.00 Dated 01 AUG 2021			





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

Client Name:	Hong Hua Oil & Gas Engineering Services Ltd	Report No.:	QC-B-02-25-0057-17
Acceptance Creater:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	21-February -2025
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	HH-008
Test Equipment & Consumable Details			
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	SC 22713 Cal.15.Jan.2025 Cal Due 14.July.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March,2026	A.C HAND YOKE	201504053 Cal.15.Jan.2025 Cal Due 14.July.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.Jan.2025 Cal Due 14.July.2025	UV BLACK LIGHT	SR#1900084 Cal.15.Jan.2025 Cal Due 14.July.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.Jan.2025 Cal Due 12.July.2025	THREAD PROFILE GAGE	SR#21336 Cal. 13.Jan.2025 Cal Due 12.July.2025 SR#21335 Cal. 15. Jan.2025 Cal Due 14.July.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3450Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3000 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	• Through Visual inspection • Dimensional 3		• MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gaiging.
Connection:	7 5/8 REG	Size:	9 1/2"

S/N	Visual Inspection			MPI			Dimensional 3 Inspection																		
	Pin	Box	Body	Pin	Box	Body	Pin					Box					Body								
							OD (in)	ID (in)	SRG (in)	SRG W (in)	Pin (in)	Bevel (in)	OD (in)	CBD (in)	CBW (in)	BB (in)	BBL (in)	Bevel (in)	Pin Tong (in)	Box Tong (in)	EGR (in)	SGR (in)	Overall (in)		
1303748	Acc.	--	--	Acc.	--	--	9 1/2"	3"	6 3/8"	3/4"	5 1/4"	8 13/16"	--	--	--	--	--	--	--	15 1/4"	--	--	--	--	29.5
H8-419	Acc.	--	--	Acc.	--	--	9 1/2"	3"	6 3/8"	7/8"	5 1/4"	8 3/4"	--	--	--	--	--	--	--	18 1/2"	--	--	--	--	29.6

Conclusion: 02 The Above Mentioned Drill Collar was found "Acceptable" From Pin Side After Repair At the time of Inspection

Abbreviations :

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
EGR Elevator Groove Recess	SGR Slip Groove Recess	CR Crack	B Bent	PC Premium Class	RF Reface
GT Galled Thread	PT Pitting Thread	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	Blue	Green	Yellow
		Crack or Extreme Damage.	Damage	Seal Damage	ACFM

Inspector Name:	Mohammed Magdy	Review By			
Qualification:	ASNT I	Senior Inspector:	M.SARWAR	Supervisor:	Ahmed Mohammed
Signature:					
Original - Client Files		Copy - Area Office		QC/FN/AF,REP/026 Rev.00 Dated 01 AUG 2021	

