



## CERTIFICATE OF INSPECTION FOR 9 1/2" DRILL COLLAR

Client Name:	ZPEC	Report No.:	QC-B-02-25-0049-02
Acceptance Creater:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	13.02.2025
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	ZP-016
<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	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 <sup>2</sup>
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"

Serial No.	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)	
121P514	Acc.	Acc.	--	Acc.	Acc.	--	9 1/2"	2 3/4"	6 3/8"	3/4"	5 1/4"	8 3/4"	9 1/2"	7 1/16"	5/8"	5 7/8"	8 3/8"	8 3/4"	18 1/2"	20 3/4"	...	...	29.8	
<b>Conclusion:</b>				01 The Above Mentioned Drill Collar was found "Acceptable"From Pin Side & Box Side After Repair At the time of Inspection																				

**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
<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>PT</b> Pitting Thread	<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 Damage.	<b>Blue</b> Damage	<b>Green</b> Seal Damage	<b>Yellow</b> ACFM

Inspector Name:	Mohammed Magdy	Review By			
Qualification:	ASNT Level II	Senior Inspector:	M.SARWAR	Supervisor:	Ahmed Mohammed
Signature:		Customer Name:		Customer Signature:	

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## CERTIFICATE OF INSPECTION FOR 9 1/2" DRILL COLLAR

Client Name:	ZPEC	Report No.:	QC-B-02-25-0049-03
Acceptance Creater:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	13.02.2025
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	Rig No.:	ZP-016
<b>Test Equipment &amp; Consumeable 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	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 <sup>2</sup>
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"

Serial No.	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)		
18P0914	Acc.	--		Acc.	--	--	9 1/2"	3 1/8"	6 3/8"	15/16"	5 1/4"	8 3/4"	--	--	--	--	--	--	--	--	15 1/4"	--	--	--	29.11
17P0914	Acc.	--		Acc.	--	--	9 1/2"	3"	6 3/8"	7/8"	5 1/4"	8 3/4"	--	--	--	--	--	--	--	--	13 1/2"	--	--	--	29.11
90P514	Acc.	--		Acc.	--	--	9 1/2"	2 3/4"	6 3/8"	3/4"	5 1/4"	8 3/4"	--	--	--	--	--	--	--	--	17 1/2"	--	--	--	29.6

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

**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	
<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>PT</b> Pitting Thread	<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 Damage.	<b>Blue</b> Damage	<b>Green</b> Seal Damage	<b>Yellow</b> ACFM

Inspector Name:	Mohammed Magdy	Review By			
Qualification:	ASNT Level II	Senior Inspector:	M.SARWAR	Supervisor:	Ahmed Mohammed
Signature:					Customer Name:
					Customer Signature:

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## CERTIFICATE OF INSPECTION FOR 9 1/2" DRILL COLLAR

Client Name:	ZPEC	Report No.:	QC-B-02-25-0049-04
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<b>Test Equipment &amp; Consumeable Details</b>			
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Serial No.	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)	
22288	-	Acc.	-	-	Acc.	-	-	-	-	-	-	-	-	9 1/2"	7 1/16"	5/8"	5/8"	8 1/2"	8 3/4"	-	18 1/4"	...	...	29.1

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

**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
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