

**AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED**

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**INSPECTION CERTIFICATE OF BIT SUB#ATS-RT-008-1**

Client Name:	<b>ABERDEEN TECHNICAL SERVICES</b>	Report No.:	ATS-QC-24-SEP-RS-006
Acceptance Criteria:	DS-1 Fifth Edition, Volume 3	Date of Inspection:	01.SEP.2024
Work Location:	<b>ABERDEEN WORKSHOP</b>	COMPANY NAME.:	<b>ABERDEEN</b>
<b>TEST EQUIPMENT &amp; CONSUMABLE 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 Due24.FEB.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	PY-10 Cal.25.JUL.2024 Cal Due24.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 Due24.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 Due24.FEB.2025 SR#21335 Cal. Cal.25.JUL.2024 Cal Due24.FEB.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3400 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3150 μw/cm <sup>2</sup>
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• MPI inspection with Ultraviolet light</li> <li>• Dimensional 3</li> </ul>		

Serial No.	Description	Connections		Inspection Results			Dimensional 3 Inspection														
		Box		Box	Box	Body	Box					Box					Body				
		Box	Box				OD(In)	CB φ(In)	CB δ(In)	FBD φ(In)	FBL δ(In)	Bevel φ(In)	OD(In)	CB φ(In)	CB δ(In)	BB φ(In)	BB λ(In)	Bevel φ(In)	Box Tong λ (in)	Overall λ (In)	Fishing Neck (In)
ATS-RT-008-1	BIT SUB	6 5/8'' Reg	6 5/8'' Reg	Acc.	Acc.	Acc.	8 1/4''	6 1/16''	5/8''	4 13/16''	17''	7 3/8''	8 1/4''	6 1/16''	5/8''	5 18/64''	8 3/4''	7 5/8''	-	36 7/8''	-

**Conclusion :**  
01 - The Above Mentioned Bit .Sub were found "Acceptable" At the time of Inspection (Ready for Use).

**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>φ</b> Diameter	<b>λ</b> Length	<b>ω</b> Width	<b>δ</b> Depth	<b>NP.</b> Not Present	<b>NA.</b> Not Applicable	
<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>TP</b> Thread Pitting	<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	<b>Blue</b> ACFM	<b>Green</b> Field Repair	<b>Yellow</b> Damage

Inspector Name:	RAO SOHAIL	Review By			
Qualification:	ASNT Level II (CP)	Senior Inspector:	M.SARWAR	Supervisor:	NAVEED HUSSAIN
Signature:		Customer Name:		Customer Signature:	
Original - Client Files      Copy - Area Office      QC/FN/AF,REP/026 Rev.00 Dated 01 AUG 2021					



