

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

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**INSPECTION CERTIFICATE FOR OD(53.5-58.4) 9-5/8" MAG TECH SN#12046756/SAP#655556**

Client Name:	<b>HALLIBURTON (HCT)</b>	Report No.:	HAL-24-10-MS-HCT-2359
Acceptance criteria.	DS-1 Volume 4 Fifth Edition	Date of Inspection:	24.OCT.2024
Refrance Standard HCT	MAN-GL-HAL-HCT-900 REV NO.6.3	Next Inspection Date:	<b>23.APRIL.2025</b>
		Halliburton Doc. (Visual Procedure D00305796 Revision X)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision M)		Halliburton Doc. (MPI Procedure D00976850 Revision E)	

**TEST EQUIPMENT & CONSUMABLE DETAILS**

Item	Batch # / Manufacture / Exp Date	Technical Details	Calibration / Due Date
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	SR#22650 Cal.13.OCT.2024 Cal Due 12.APR.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	SR#201504052 Cal.12.OCT.2024 Cal Due 11.APR.2025
INTENSITY METER	SR#R.043943 Cal.14.OCT.2024 Cal Due 13.APR.2025	UV BLACK LIGHT	SR#1898977 Cal.12.OCT.2024 Cal Due 11.APR.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.14.OCT.2024 Cal Due 13.APR.2025	THREAD PROFILE GAGE	SR#21336 Cal.14.OCT.2024 Cal Due 13.APR.2025 SR#21335 Cal.14.OCT.2024 Cal Due 13.APR.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY:	3320 µw/cm <sup>2</sup>
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3620 Lux

**MAGNITISUM DIRECTION (LONGITUDENAL)**

<b>METHODOLOGY:</b>	<ul style="list-style-type: none"> <li>Through Visual inspection</li> <li>Dimensional Inspection</li> </ul>	<ul style="list-style-type: none"> <li>MPI inspection with Ultraviolet light</li> </ul>
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Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection														
		Pin	Box	Pin	Box	Body	Pin					Box					Body				
							OD(In)	ID(In)	Neck $\varpi$ (In)	Pin $\lambda$ (In)	Bevel $\phi$ (In)	OD(In)	CB $\phi$ (In)	CB $\delta$ (In)	BB $\phi$ (In)	BB $\delta$ (In)	Bevel $\phi$ (In)	Pin T $\lambda$ (In)	Box T $\lambda$ (In)	Overall $\lambda$ (In)	
12046756	9 5/8" MAG TECH	NC-50	NC-50	Acc.	Acc.	Acc.	6 1/2"	3"	3/8"	4 7/16"	6 1/8"	6 1/2"	5 5/16"	5/8"	-	-	6 1/4"	14 1/2"	18 1/4"	87 5/8"	



**Conclusion:** ■ 01 MAG TECH was found "Acceptable" At time of Inspection Ready For Use.

<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><math>\phi</math></b> Diameter	<b><math>\lambda</math></b> Length	<b><math>\varpi</math></b> Width	<b><math>\delta</math></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 Damage.	<b>Blue</b> Damage	<b>Green</b> Seal Damage	<b>Yellow</b> ACFM

<b>Inspector:</b>	M. Shahzad Ahmed	<b>Review By</b>			
<b>Qualification:</b>	ASNT Level 2 (MT)	<b>Senior Inspector:</b>	NAVEED HUSSAIN	<b>Supervisor:</b>	Hani Ali
<b>Signature:</b>			<b>Customer Name:</b>		
					<b>Customer Signature:</b>

Original - Client Files Copy - Area Office QC/FN/FLS/03 Rev.00 Dated: 07 Nov 2021

