

AI TAKAMUL COMPANY FOR ENGINEERING TEST AND PROFESSIONAL SAFETY LIMITED

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INSPECTION CERTIFICATE FOR X-OVER

Client Name:	HALLIBURTON (HCT)	Report No.:	HAL-25-09-HCT-381
Acceptance criteria.	DS-1 Volume 4 Fifth Edition & API 5CT	Date of Inspection:	22.SEP.2025
Refrance Standard HCT	MAN-GL-HAL-HCT-900 REV NO : 6.8 REV DATE : 22-JUL-2025	Next Inspection Date:	21.MAR.2026
		Halliburton Doc. (Visual Procedure D00305796 Revision Z)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision M)		Halliburton Doc. (MPI Procedure D00976850 Revision E)	

TEST EQUIPMENT & CONSUMABLE DETAILS

WHITE CONTRAST WCP-2	Batch #: 230408 Manufacture: Magnaflux Exp Date: APRIL,2026	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#.230604 Manufacture: Magnaflux Exp Date: JUNE.2026	COIL(1200 AMP-TURNS/IN	SR#22650 Cal.09.APR.2025 Cal Due 08.OCT.2025
FLUORESCENT 14HF	Batch #: 230503 Manufacture: Magnaflux Exp Date: MAY.2026	A.C HAND YOKE	SR#201504052 Cal.08.APR.2025 Cal Due 07.OCT.2025
INTENSITY METER	SR# 2722003 Cal.10.APR.2025 Cal Due 09.OCT.2025	UV BLACK LIGHT	SR#87521 Cal.10.APR.2025 Cal Due 09.OCT.2025
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.09.APR.2025 Cal Due 08.OCT.2025	THREAD PROFILE GAGE	SR#21336 Cal.09.APR.2025 Cal Due 08.OCT.2025 SR#21335 Cal.09.APR.2025 Cal Due 08.OCT.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY:	3140 µw/cm ²
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3630 Lux

MAGNITISUM DIRECTION (LONGITUDENAL)

METHODOLOGY:	<ul style="list-style-type: none"> Through Visual inspection Dimensional Inspection 	<ul style="list-style-type: none"> MPI inspection with Ultraviolet light
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Serial No.	Description	Connection		Result Inspection			Dimensional Inspection													
		Pin	Box	Pin	Box	Body	Pin					Box					Body			
							OD(In)	ID(In)	Neck ϕ(In)	Pin λ(In)	Bevel ϕ(In)	OD(In)	CB ϕ(In)	CB δ(In)	BB ϕ(In)	BB δ(In)	Bevel ϕ(In)	Pin T λ(In)	Box T λ(In)	Overall λ (In)
HAH-18354-6	X-OVER	3 1/2 IF	2 7/8 EUE	Acc.	Acc.	Acc.	4 3/4"	2 1/4"	3/8"	4"	4 5/8"	4 3/4"	-	-	-	-	3 1/2"	-	-	14 3/16"



Conclusion:	01 X-Over was found "Acceptable". At time of Inspection Ready For Use.
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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:	White No Defects	Red Crack or Extreme Damage.	Blue Damage	Green Seal Damage	Yellow ACFM

Inspector Name:	M. Shahzad Ahmed	Review By				
Qualification:	ASNT Level II (MT, PT, ET)	Senior Inspector:	NAVEED HUSSAIN	Supervisor:	Hani Ali	Customer Name:
Signature:						Customer Signature:

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

