

AI TAKAMUL COMPANY FOR ENGINEERING TEST AND PROFESSIONAL SAFETY LIMITED

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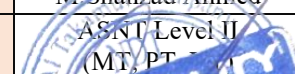
INSPECTION CERTIFICATE FOR X-OVER

Client Name:	HALLIBURTON (HCT)	Report No.:	HAL-25-09-HCT-321
Acceptance criteria.	DS-1 Volume 4 Fifth Edition & API 5CT	Date of Inspection:	02.SEP.2025
Refrance Standard HCT	MAN-GL-HAL-HCT-900 REV NO : 6.8 REV DATE : 22-JUL-2025	Next Inspection Date:	01.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:	3180 μw/cm²
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3610 Lux
MAGNITISUM DIRECTION (LONGITUDENAL)			
METHODOLOGY:	• Through Visual inspection • Dimensional Inspection • MPI inspection with Ultraviolet light		

Serial No.	Description	Connection		Result Inspection			Dimensional Inspection													
		Pin	Box	Pin	Box	Body	Pin					Box					Body			
							OD(In)	ID(In)	Neck ϖ (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)
TRD56894	X-OVER	2 7/8 EUE	3 1/2 IF	Acc.	Acc.	Acc.	4 3/4"	2 1/2"	-	-	-	4 3/4"	4 2/32"	5/8"	3 15/32"	7 5/8"	4 5/8"	-	-	27 3/8"
																				
Conclusion:		■ 01 X-Over was found “Acceptable”. At time of Inspection Ready For Use.																		

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	

