

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-25-03-HCT-068
Acceptance criteria.	DS-1 Volume 3 CAT 3-5 Fifth Edition & API 5CT	Date of Inspection:	02.March.2025
Refrance Standard HCT	MAN-GL-HAL-HCT-900 REV NO.6.3	Next Inspection Date:	01.September.2025
		Halliburton Doc. (Visual Procedure D00305796 Revision Y)	
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.13.OCT.2024 Cal Due 12.APR.2025
FLUORESCENT 14HF	Batch #: 230503 Manufacture: Magnaflux Exp Date: MAY.2026	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:	3120 μw/cm ²
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3640 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 ϕ(In)	BB ϕ(In)	BB ϕ(In)	Bevel ϕ(In)	Body ID (In)	Overall λ (IN)
39272	X-OVER	2 7/8 EUE	3 1/2 IF	Acc.	Acc.	Acc.	4 3/4"	2 7/16"	-	-	-	4 3/4"	4 2/32"	5/8"	-	-	4 5/8"	2 1/4"	27 5/8"



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)	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	

