



INSPECTION CERTIFICATE FOR X-OVER

Client Name:	HALLIBURTON (TSS)	Report No.:	HAL-25-03-NDT-TSS-020
Acceptance criteria.	DS-1 Volume 4 Fifth Edition & API 5CT	Date of Inspection:	16.MAR.2025
Refrance Standard TSS	ST-GL-HAL-TT-510 REV NO 5.1	Next Inspection Date:	15-SEP-2025

TEST EQUIPMENT & CONSUMABLE DETAILS

Equipment Name	Batch #, Manufacture, Exp Date	Technical Details	Reference / Calibration
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
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:	3650 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	Pin	Pin	Pin	Body	Pin			Pin			Body						
							OD(In)	ID(In)	Neck ϖ(In)	Pin λ(In)	Bevel ϕ(In)	OD(In)	ID(In)	Neck ϖ(In)	Pin λ(In)	Bevel ϕ(In)	Pin T λ(In)	Box T λ(In)	Overall λ (In)
TSS-117	X-OVER	5 1/2 ACME	3 1/2 PH6	Acc.	Acc.	Acc.	7 1/2"	2 11/16"	-	-	7 7/16"	7 1/2"	2 11/16"	-	-	4 1/4"	-	-	27 1/4"



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 CMT, PT. VT	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

