



## INSPECTION CERTIFICATE FOR X-OVER

Client Name:	<b>HALLIBURTON (TSS)</b>	Report No.:	HAL-25-03-NDT-TSS-018
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:	----
<b>TEST EQUIPMENT &amp; CONSUMABLE DETAILS</b>			
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 <sup>2</sup>
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3650 Lux
<b>MAGNITISUM DIRECTION (LONGITUDENAL)</b>			
METHODOLOGY:	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dimensional Inspection</li> <li>•MPI inspection with Ultraviolet light</li> </ul>		

Serial No.	Description	Connections		Result of Inspection			Dimensional 3 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 Tong λ (In)	Box Tong λ (In)	Overall (In)
PE60777	X-OVER	3 1/2" PH6	5 1/2 ACME	DAM	Acc.	Acc.	7 1/2"	2 11/16"	-	-	4 1/4"	7 1/2"	-	-	-	-	7 13/32"	-	-	21"

**Conclusion :** ■ 01 X-OVER was found **Un-Acceptable Thread Damage From Pin Connection Rejected**

**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	Refuse
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	M.Shahzad Ahmed	Review By			
Qualification:	ASNT Level III (MT, PT, UT)	Senior Inspector:	Naveed Hussain	Supervisor:	Hani Ali
Signature:					Customer Name:
					Customer Signature:

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

