



## INSPECTION CERTIFICATE FOR X-OVER

Client Name:	<b>HALLIBURTON (WPS)</b>	Report No.:	HAL-24-08-MS-WPS-057
Acceptance criteria:	DS-1 Volume 4 Fifth Edition	Date of Inspection:	02.AUG.2025
Work Location:	Burjesia Halliburton Camp Basra - Iraq	Halliburton Doc. (Visual Procedure D00305796 Revision <b>Z</b> )	
Halliburton Doc. (Dimensional Procedure D00301932 Revision <b>M</b> )		Halliburton Doc. (MPI Procedure D00976850 Revision <b>E</b> )	

### 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:	3190 µw/cm <sup>2</sup>
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3680 Lux

### MAGNITISUM DIRECTION (LONGITUDENAL)

METHODOLOGY:	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dimensional Inspection</li> </ul>	<ul style="list-style-type: none"> <li>•MPI inspection with Ultraviolet light</li> </ul>
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Serial No.	Description	Connection		Result 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)
41401	X-OVER	3 1/2 IF	4 1/2 IF	Acc.	Acc.	Acc.	6 1/2"	2 11/16"	3/8"	3 15/16"	4 15/16"	6 1/2"	5 10/32"	5/8"	-	-	6 5/16"	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	M.Shahzad Ahmed	Review By				
Qualification:	ASNT Level II (MT)	Senior Inspector:	NAVEED HUSSAIN	Supervisor:	Hani Ali	Customer Name & Signature:
Signature:						<b>ALI Talib HB48903</b> Date: 02-08-2025 Signature:

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

