



## INSPECTION CERTIFICATE FOR X-OVER

Client Name:	<b>HALLIBURTON (TSS)</b>	Report No.:	HAL-25-07-MS-DST-015
Acceptance criteria:	DS-1 Volume 4 Fifth Edition & API 5CT	Date of Inspection:	31.JULY.2025
Refrance Standard TSS	ST-GL-HAL-TT-510 REV NO 5.1	Next Inspection Date:	<b>30-JAN-2026</b>

### TEST EQUIPMENT & CONSUMABLE DETAILS

TEST EQUIPMENT	Batch # / Manufacture / Exp Date	TECHNICAL DETAILS	Status / 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.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
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)

<b>METHODOLOGY:</b>	<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 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)
DST-XO-20 ESUB-MO1686-08-01	X-OVER	3 1/2 PH6	3 1/2" VAM TOP	Acc.	Acc.	Acc.	4 3/8"	2 11/16"	-	-	-	3 7/8"	-	-	-	-	-	17"



**Conclusion:** ■ 01 X-OVER was found "Acceptable". At time of Inspection Ready For Use.

**Abbreviations :**

<b>OD</b> Outside Diameter	<b>ID</b> Inside Diameter	<b>SRG</b> Stress Relief Groove	<b>CB</b> Counter Bore	<b>BB</b> Bore Back	<b>FB</b> Float Bore	
<b>ϕ</b> Diameter	<b>λ</b> Length	<b>ϖ</b> Width	<b>δ</b> Depth	<b>NP</b> Not Present	<b>NA</b> Not Applicable	
<b>EGR</b> Elevator Groove Recess	<b>SGR</b> Slip Groove Recess	<b>CR</b> Crack	<b>B</b> Bent	<b>PC</b> Premium Class	<b>RF</b> Reface	
<b>GT</b> Galled Thread	<b>TP</b> Thread Pitting	<b>SP</b> Seal Pitting	<b>TD</b> Thread Damage	<b>SD</b> Seal Damage	<b>M</b> Mashed	
<b>1</b> 100 % Coating	<b>2</b> 99-71 % Coating	<b>3</b> 70-40 % Coating	<b>4</b> Up to 40 %	<b>5</b> Nil	<b>WT</b> Wall Thickness	
<b>Colors Code:</b>		<b>White</b> No Defects	<b>Red</b> Crack or Extreme Damage.	<b>Blue</b> Damage	<b>Green</b> Seal Damage	<b>Yellow</b> ACFM

<b>Inspector Name:</b>	M. Shabaz Ahmed	<b>Review By</b>			
<b>Qualification:</b>		<b>Senior Inspector:</b> NAVEED HUSSAIN	<b>Supervisor:</b> Hani Ali	<b>Customer Name:</b>	
<b>Signature:</b>				<b>Customer Signature:</b>	

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

