

AI TAKAMUL COMPANY FOR ENGINEERING TEST AND PROFESSIONAL SAFETY LIMITED

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INSPECTION CERTIFICATE FOR X-OVER

Client Name:	HALLIBURTON (WPS)	Report No.:	HAL-25-06-MS-WPS-053
Acceptance criteria:	DS-1 Volume 4 Fifth Edition	Date of Inspection:	09 June 2025
Work Location:	Burjesia Halliburton Camp Basra - Iraq	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.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 ²
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"> • Through Visual inspection • Dimensional 3 Inspection 		

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 ϕ(In)	BB ϕ(In)	BB ϕ(In)		Bevel ϕ(In)
41402	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.

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:	ALI Talib HB48903
Signature:						Customer Signature:	

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

