

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-24-05-MS-WPS-023
Acceptance criteria.	DS-1 Volume 4 Fifth Edition	Date of Inspection:	14.MAY .2024
Work Location:	Burjesia Halliburton Camp Basra - Iraq	Halliburton Doc. (Visual Procedure D00305796 Revision U)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision L)		Halliburton Doc. (MPI Procedure D00976850 Revision D)	
TEST EQUIPMENT & CONSUMABLE DETAILS			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2025	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#.220605 Manufacture: Magnaflux Exp Date: JULY.2025	COIL(1200 AMP-TURNS/IN	SR#22650 Cal.13.FEB.2024 Cal Due 12.AUG.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	SR#201504052 Cal.13.FEB.2024 Cal Due 12.AUG.2024
INTENSITY METER	SR#R.043943 Cal.13.FEB.2024 Cal Due 12.AUG.2024	UV BLACK LIGHT	SR#1898977 Cal.13.FEB.2024 Cal Due 12.AUG.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.13.FEB.2024 Cal Due 12.AUG.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date. Cal.13.FEB.2024 Cal Due 12.AUG.2024 SR#21335 CAL.Date. Cal.15.FEB.2024 Cal Due 14.AUG.2024
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY	3180 μw/cm²
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3630 Lux
MAGNITISUM DIRECTION (LONGITUDENAL)			
METHODOLOGY:	•Through Visual inspection • MPI inspection with Ultraviolet light • Dimensional Inspection		

Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection										
							Pin					Box					Body
		Pin	Box	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)
73717-213	X-OVER	3 1/2 IF	4 1/2 IF	Acc.	Acc.	Acc.	6 1/8"	2 11/16"	3/8"	3 15/16"	4 15/16"	6 1/8"	5 10/32"	5/8"	-	-	6"
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	σ	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 III (MT, PT, ET)	Senior Inspector:	NAVEED HUSSAIN	Supervisor:	Hani Ali	Customer Name:	ALI Talib HB48903 Date: 15-05-2024
Signature:						Customer Signature:	
Original - Client Files		Copy - Area Office		QC/FN/FLS/03 Rev.00		Dated: 07 Nov 2021	

