

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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INSPECTION CERTIFICATE FOR X-OVER

Client Name:	HALLIBURTON (TSS)	Report No.:	HAL-24-02-MS-TSS-122
Acceptance criteria.	DS-1, Volume 4 Fifth Edition	Date of Inspection:	10.February.2024
Work Location:	Burjesia Halliburton Camp Basra - Iraq	Next Date of Inspection:	09.August.2024
Halliburton Doc. (Visual Procedure D00305796 Revision U)		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. 15.AUG.2023 Cal Due 14.FEB.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	SR#201504048 Cal 15.AUG.2023 Cal Due 14.FEB.2024
INTENSITY METER	SR#R.043943 Cal.15.AUG.2023 Cal Due 14.FEB.2024	UV BLACK LIGHT	SR#1932401 Cal. 15.AUG.2023 Cal Due 14.FEB.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date. 15.AUG.2023 CAL Due Date 14.FEB.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date.15. AUG. 2023 CAL Due Date.14. FEB. 2024 SR#21335 CAL.Date.17. AUG.2023 CAL Due Date. 16.FEB.2024
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY:	3038 µw/cm ²
Magnetic particle concentration fluorescent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity:	3520 Lux
MAGNITISUM DIRECTION (LONGITUDENAL)			
METHODOLOGY:	<ul style="list-style-type: none"> Through Visual inspection Dimensional MPI inspection with Ultraviolet light 		

Serial No.	Description	Connection		Result Inspection			Dimensional 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 T λ(In)	Box T λ(In)	Overall λ(In)		
IB-8	X-OVER	3 7/8 CAS	4 1/2 TSH BLUE	Acc.	Acc.	Acc.	5"	2 3/4"	-	-	-	5"	-	-	-	-	-	-	-	-	-	13 1/2"



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

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
∅ Diameter	∅ Length	∅ Width	∅ 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.Shabzad Ahmed	Review By					
Qualification:	ASNT Level III MPI/VT	Senior Inspector:	Naveed Hussain	Supervisor:	Hani Ali	Customer Name:	
Signature:							Customer Signature:
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029		Rev.00 dated 07.Nov2021	

