

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

Email: op@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



INSPECTION CERTIFICATE FOR X-OVER#XO-110

Client Name:	HALLIBURTON (TSS)	Report No.:	HAL-24-08-RS-DST-004
Acceptance criteria:	DS-1 Volume 4 Fifth Edition & API 5CT	Date of Inspection:	02.AUG.2024
Refrance Standard TSS	ST-GL-HAL-TT-510 REV NO 5.1	Next Inspection Date:	01.FEB.2025
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.16.APR.2024 Cal Due 15.OCT.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	SR#201504052 Cal.15.APR.2024 Cal Due 14.OCT.2024
INTENSITY METER	SR#R.043943 Cal.17.APR.2024 Cal Due 16.OCT.2024	UV BLACK LIGHT	SR#1898977 Cal.15.APR.2024 Cal Due 14.OCT.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.17.APR.2024 Cal Due 16.OCT.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date.17.APR.2024 Cal Due 16.OCT.2024 SR#21335 CAL.Date.17.APR.2024 Cal Due 16.OCT.2024
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	UV LIGHT INTENSITY:	3080 $\mu\text{w}/\text{cm}^2$
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 - Dimensional Inspection - 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 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)	Pin T λ (In)	Box T λ (In)	Overall λ (In)
XO-110	X-OVER	3 7/8 CAS	3 1/2"PH-6	Acc.	Acc.	Acc.	5"	2 1/4"	-	-	-	5"	-	-	-	-	-	-	-	19 5/8"



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
ϕ	Diameter	ϕ	Length	ϕ	Width	ϕ	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 Ahn	Review By				
Qualification:	ASNT Level II MPI PT	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		

