

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

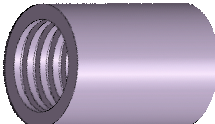
Basra, North Rumaila, Quality Control Yard - Iraq

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9 1/2" ILS SUB PROTECTOR SLEEVE INSPECTION CERTIFICATE

Client Name:	SPERRY DRILLING	Report No.:	HAL-TUB-24-DPI-NDT-1882
Acceptance criteria:	DS-1 Volume 4- 5th Edition (ClassA1)	Date of Inspection:	12.JULY.2024
Halliburton Doc.	D01860184 (Revision J)	Halliburton WORK ORDER	326804329 (IC9066)
Work Location:	Burjesia Halliburton Camp Basra – Iraq	Halliburton Doc. (Visual Procedure D00305796 Revision W)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision L)		Halliburton Doc. (LPI Procedure D00976849 Revision E)	
Halliburton Doc. (Cold work Procedure D00685901 Revision X)			
TEST EQUIPMENT & CONSUMABLE DETAILS			
PENETRANT SKL-WP2	Batch #:220511 Exp: May,2025 Manufacture: Magnaflux	DEVELOPER SKD-S2	Batch #:220302 Exp. March,2025 Manufacture: Magnaflux
TECHNICAL DETAILS	TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER –WASHABLE		
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date 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
PENETRANT DWELL TIME:	30 Minutes	DEVELOPER DWELL TIME:	15 Minutes
Test Part Temperature:	104 °F	White Light Intensity:	3590 lux
INFRARED	201704125	CAL DUE DATE.	16.OCT.2024
Digital Lux Meter	2722003	CAL DUE DATE.	16.OCT.2024
WATER PRESSURE	30 PSI	COMPARATOR BLOCK	SR#11223 CAL.Date. 17.APR.2024 CAL Due Date. 16.OCT.2024
METHODOLOGY:	• Through Visual inspection • Dimensional 3 • Dye Penetrant Inspection		

Serial No.	Description	Connection	Result Inspection		Dimensional Inspection	
		Box	Box	Body	Box	Body
					OD(In)	Overall λ(In)
14023433	PROTECTOR SLEEVE	TC 10-4B	Acc.	Acc.	10 1/2"	8"
						
Conclusion: 9 1/2" ILS SUB Protector Sleeve 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	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. Shabir Ahmed	Review By				
Qualification:	AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED	Senior Inspector:	Naveed Hussain	Supervisor:	Hani Ali	Customer Name:
Signature:						Customer Signature:
Original - Client Files Copy - Area Office QC/FN/IC/008 Rev.00 Dated 07 NOV 2021						

