

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

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9 1/2" UPPER STEERING COLLAR INSPECTION CERTIFICATE

Client Name:	SPERRY DRILLING	Report No.:	HAL-TUB-24-DPI-NDT-1883
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)	
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 THERMOMETER	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 3 Inspection									
		Pin	Box	Pin	Box	Body	Pin					Box				
							OD(In)	ID(In)	Neck $\varnothing$ (In)	Pin λ (In)	Bevel ϕ (In)	OD(In)	CB ϕ (In)	CB δ (In)	BB ϕ (In)	BB δ (In)
13617602	9 1/2" Upper Steering Collar	8-5/8 REG	6-5/8 IF	Acc.	Acc.	Acc.	9 5/8	6	3/8	5-3/8	9-1/8"	9-5/8	7 1/2	5/8"	...	...



Conclusion:	*9 1/2 " Upper Steering Collar Was Found "Acceptable" at Time of Inspection Ready For Use. NOTE: CW' Markings On Both Connection
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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 Name: M. N. H		Review By				
Qualification: (T.M.I)	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		

