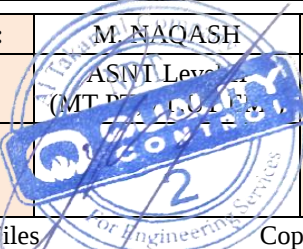


9 1/2" UPPER STEERING FCM HOUSING COLLAR INSPECTION CERTIFICATE

Client Name:	SPERRY DRILLING	Report No.:	HAL-TUB-24-DPI-NDT-2118
Acceptance criteria:	DS-1 Volume 4- 5th Edition (ClassA1)	Date of Inspection:	25.NOV.2024
Halliburton Doc.	D01860184 (Revision L)	Halliburton WORK ORDER	327358550 (IC9066)
Work Location:	Burjesia Halliburton Camp Basra – Iraq	Halliburton Doc. (Visual Procedure D00305796 Revision X)	
Halliburton Doc. (Dimensional Procedure D00301932 Revision M)		Halliburton Doc. (LPI Procedure D00976849 Revision F)	
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 14.OCT.2024 Cal Due 13.APR.2025	THREAD PROFILE GAGE	SR#21336 CAL.Date 14.OCT.2024 Cal Due 13.APR.2025 SR#21335 CAL.Date 14.OCT.2024 Cal Due 13.APR.2025
PENETRANT DWELL TIME:	30 Minutes	DEVELOPER DWELL TIME:	15 Minutes
Test Part Temperature:	97 °F	White Light Intensity:	3630 lux
INFRARED THERMOMETER	201704125	CAL DUE DATE.	13.APR.2025
Digital Lux Meter	2722003	CAL DUE DATE.	13.APR.2025
WATER PRESSURE	30 PSI	COMPARATOR BLOCK	SR#11223 CAL.Date 14.OCT.2024 Cal Due 13.APR.2025
METHODOLOGY:	• Through Visual inspection • Dimensional 3		

Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection									
							Pin					Box				
		Pin	Box	Pin	Box	Body	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)
13940747	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 THE TIME OF INSPECTION READY FOR USE. NOTE: CW' Markings On Both Connection,														

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. NAQASH	Review By				
Qualification:	ASNT Level 3 (MT)	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						