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CERTIFICATE OF INSPECTION AFTER REPAIR FOR 9 ½" DRILL COLLAR

Client Name:	**Hilong Oil Services & Engineering**	Report No.:	HL22-QC-24-07-NA.005
Acceptance Createra.	☑API SPEC 7-2	Date of Inspection:	11.JULY.2024
Work Location:	**ABERDEEN WORKSHOP**	Rig No.:	HL-22
Test Equipment & Consumeable 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	22713 Cal.15.FEB.2024 Cal Due14.OCT.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	PY-10 Cal.15.FEB.2024 Cal Due14.OCT.2024
INTENSITY METER	SR#1608000134 CAL.Date .15.FEB.2024 Cal Due14.OCT.2024	UV BLACK LIGHT	SR#1946875 Cal.15.FEB.2024 Cal Due14.OCT.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal.15.FEB.2024 Cal Due14.OCT.2024	THREAD PROFILE GAGE	SR#21336 Cal.15.FEB.2024 Cal Due14.OCT.2024 SR#21335 Cal.15.FEB.2024 Cal Due14.OCT.2024
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3500 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3050 µw/cm²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	• Through Visual inspection • Dimensional	•MPI inspection with Ultraviolet light *Lead Gaiging, Taper Gauging & Thread Profile Gauging.	
Connection:	**7 5/8 REG**	**Size:**	**9 ½"**

Serial No.	Visual Inspection			MPI			Dimensional 3 Inspection																
							Pin						Box						Body				
	Pin	Box	Body	Pin	Box	Body	OD (in)	ID (in)	SRG ☐ (in)	SRG W ☐ (in)	Pin ☐ (in)	Bevel ☐ (in)	OD (in)	CBD ☐ (in)	CBW ☐ (in)	BB ☐ (in)	BBL ☐ (in)	Bevel ☐ (in)	Pin Tong ☐ (in)	Box Tong ☐ (in)	EGR ☐ (in)	SGR ☐ (in)	Overall ☐☐ (In)
2013127079	Acc.	Acc.	--	Acc.	Acc.	Acc.	9 ½"	3 1/16"	6 13/32"	3/4"	5 ¼"	8 ¾"	9 ½"	7 2/32"	5/8"	5 7/8"	9"	8 ¾"	17 ¼"	21"	-	--	--
18S624	Acc.	Acc.	--	Acc.	Acc.	Acc.	9 ½"	3 1/16"	6 13/32"	7/8"	5 ¼"	8 ¾"	9 ½"	7 2/32"	5/8"	5 7/8"	8 ¾"	8 ¾"	17 ½"	19 7/8"	-	--	--
17S624	Acc.	Acc.	--	Acc.	Acc.	Acc.	9 ½"	3 1/16"	6 13/32"	¾"	5 ¼"	8 ¾"	9 ½"	7 2/32"	5/8"	5 7/8"	9"	8 ¾"	17 ¾"	20 3/8"	-	--	--
2012127110	Acc.	Acc.	--	Acc.	Acc.	Acc.	9 ½"	3 1/16"	6 13/32"	7/8"	5 ¼"	8 ¾"	9 ½"	7 2/32"	5/8"	5 7/8"	8 7/8"	8 ¾"	17 ¼"	20 7/8"	-	--	--
Conclusion:	■ (04)The above Mentioned 9 ½" Drill Collar were found "Acceptable" from Pin x Box Connection After Repair at time of Inspection ready to use.																						

Abbreviations :

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*	**PT**	*Pitting Thread*	**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:	[illegible]	**Review By**			
Qualification:	ASNT Level II	**Senior Inspector:**	M. SARWAR	**Supervisor:**	RAO SOHAIL
Signature:				**Customer Name:**	
				Customer Signature:	

Original - Client File Copy - Area Office QC/FN/AF,REP/026 Rev.00 Dated 01 AUG 2021