

**AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED**

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**AFTER REPAIR INSPECTION CERTIFICATE OF 5 1/2" HWDP**

<b>Client Name:</b>	<b>Hilong Oil Services &amp; Engineering</b>	<b>Report No.:</b>	HL22-QC-24-07-NA.006
<b>Acceptance Creater:</b>	<input checked="" type="checkbox"/> API SPEC 7-2	<b>Date of Inspection:</b>	11.JULY.2024
<b>Work Location:</b>	<b>ABERDEEN WORKSHOP</b>	<b>Rig No.:</b>	HL-22
<b>Test Equipment &amp; Consumeable Details</b>			
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/cm <sup>2</sup>
Magnetism Direction (Longitudinal)			
<b>METHODOLOGY:</b>	• Through Visual inspection      •MPI inspection with Ultraviolet light • Dimensional Inspection      *Lead Gaiging, & Thread Profile Gaiging.		
<b>Connection:</b>	<b>5 1/2" FH</b>	<b>Size:</b>	<b>5 1/2"</b>

Serial No.	Visual Inspection			Black Light		Dimensional 3 Inspection															
	Pin	Box	Body	Pin	Box	Pin						Box						Body			
						OD (in)	ID (in)	SRG □ (in)	SRG □ (in)	Bevel □ (in)	pin□ (in)	OD (in)	CB □ (in)	CB □ (in)	BB □ (in)	BB □ (in)	Bevel □ (in)	Pin Tong □ (in)	Box Tong □ (in)	C.W Pad OD(in)	length (in)
65624	Acc	--	-	Acc	--	7 1/4"	3 3/16"	5 7/32"	3/4"	6 3/4"	5"	--	--	--	--	--	--	21"	--	--	--

**Conclusion :** 01 Joint The Above Mentioned 5 1/2" Heavy Weight Drill Pipe was Found Acceptable from Pin Connection After Repair at the time of Inspection, Ready to use.

**Abbreviations :**

<b>OD</b> Outside Diameter	<b>ID</b> Inside Diameter	<b>SRG</b> Stress Relief Groove	<b>CB</b> Counter Bore	<b>BB</b> Bore Back	<b>FB</b> Float Bore
□ Diameter	□ Length	□ Width	□ Depth	<b>NP.</b> Not Present	<b>NA.</b> Not Applicable
<b>EGR</b> Elevator Groove Recess	<b>SGR</b> Slip Groove Recess	<b>CR</b> Crack	<b>B</b> Bent	<b>PC</b> Premium Class	<b>RF</b> Reface
<b>GT</b> Galled Thread	<b>TP</b> Thread Pitting	<b>SP</b> Seal Pitting	<b>TD</b> Thread Damage	<b>SD</b> Seal Damage	<b>M</b> Mashed
<b>1</b> 100 % Coating	<b>2</b> 99-71 % Coating	<b>3</b> 70-40 % Coating	<b>4</b> Up to 40 %	<b>5</b> Nil	<b>WT</b> Wall Thickness
<b>Colors Code:</b>					
White	No Defects	Red	Crack or Extreme Damage.	Blue	Damage
				Green	Seal Damage
				Yellow	ACFM

<b>Inspector Name:</b>	<b>Review By</b>				
<b>Qualification:</b>	<b>Senior Inspector:</b>	M. SARWAR	<b>Supervisor:</b>	RAO SOHAIL	<b>Customer Name:</b>
<b>Signature:</b>					<b>Customer Signature:</b>

Original – Client File Copy - Area Office QC/FN/DPI/NDT/006 Rev.00 DATED 07.NOV.2021

