

**AND PROFESSIONAL SAFETY LIMITED**

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**CERTIFICATE OF INSPECTION FOR 3 1/2" HWDP**

<b>Client Name:</b>	<b>HONGHUA OIL&amp;GAS ENGINEERING SERVICES.</b>	<b>Report No.:</b>	QC-2023-1646-H013
<b>Acceptance Creater:</b>	DS-1 Fifth Edition, Volume 3 CAT 3-5	<b>Date of Inspection:</b>	10-12-2023
<b>Work Location:</b>	HH YARD BASRA	<b>Rig No.:</b>	HH-29
<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	SC 22713 Cal.17.AUG.2023 Cal Due16.FEB.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	201504053 Cal.17.AUG.2023 Cal Due16.FEB.2024
INTENSITY METER	SR# R.043943 Cal.15.AUG.2023 Cal Due 14.FEB.2024	UV BLACK LIGHT	SR#1900084 Cal.17.AUG.2023 Cal Due16.FEB.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date. 15.AUG.2023 CAL Due Date 14.FEB.2024	THREAD PROFILE GAGE	SR#21336 CAL.Date.15. AUG. 2023 CAL Due Date.14. FEB. 2024 SR#21335 CAL.Date.17. AUG.2023 CAL Due Date. 16.FEB.2024
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3450 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3150 μw/cm <sup>2</sup>
Magnetism Direction (Longitudinal)			
<b>METHODOLOGY:</b>	Through Visual inspection • Dimensional	•MPI inspection with Ultraviolet light Heat Checking Thread Profile Gauging.	
<b>Connection:</b>	<b>NC38</b>	<b>Size:</b>	<b>3 1/2"</b>

Serial No.	Visual Inspection		Black Light		Dimensional 3 Inspection																	
					Pin						Box						Body					
	Pin	Box	Body	HB	Pin	Box	OD (in)	ID (in)	SRG ϕ (in)	NECK λ (in)	Bevel ϕ (in)	pin λ (in)	OD (in)	CB ϕ (in)	CB δ (in)	BB ϕ (in)	BB δ (in)	Bevel ϕ (in)	Seal ϖ	Pin Tong λ (in)	Box Tong λ (in)	Center Pad ϕ (in)
30149	Acc	Acc	Acc	√	Acc	Acc	4 3/4"	2 1/4"	-	7/16"	4 9/16"	3 15/16"	4 3/4"	4 1/16"	5/8"	-	-	4 9/16"	7/32"	9 1/8"	16 1/2"	4"
30054	Acc	Acc	Acc	√	Acc	Acc	4 3/4"	2 1/4"	-	7/16"	4 9/16"	3 15/16"	4 3/4"	4 1/16"	5/8"	-	-	4 9/16"	7/32"	9 1/4"	16 5/8"	4"
30230	Acc	Acc	Acc	√	Acc	Acc	4 3/4"	2 1/4"	-	7/16"	4 9/16"	3 15/16"	4 3/4"	4 1/16"	5/8"	-	-	4 9/16"	7/32"	9 3/8"	15 3/4"	4"
63721	Acc	Acc	Acc	√	Acc	Acc	4 3/4"	2 1/4"	-	7/16"	4 9/16"	3 15/16"	4 3/4"	4 1/16"	5/8"	-	-	4 9/16"	7/32"	18 1/2"	16 1/2"	4"

**Conclusion:** The Above Mentioned 3 1/2" Heavy Weight Drill Pipe was Found Acceptable from Both Side at 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	
<b>ϕ</b> Diameter	<b>λ</b> Length	<b>ϖ</b> Width	<b>δ</b> 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>		<b>White</b> No Defects	<b>Red</b> Crack or Extreme	<b>Blue</b> Damage	<b>Green</b> Seal Damage	<b>Yellow</b> ACFM

<b>Inspector Name:</b>	M.FAHAD	<b>Review By</b>					
<b>Qualification:</b>		<b>Senior Inspector:</b>	RAO SOHAIL	<b>Supervisor:</b>	WAQAS AWAN	<b>Customer Name:</b>	
<b>Signature:</b>						<b>Customer Signature:</b>	
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029		Rev.00 dated 07.Nov2021	

