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CERTIFICATE OF INSPECTION FOR 5" HWDP

Client Name:	HONG HUA OIL&GAS ENGINEERING SERVICES.	Report No.:	QC-2023-1646-H02
Acceptance Createra.	DS-1 Fifth Edition, Volume 3 CAT 3-5	Date of Inspection:	08-12-2023
Work Location:	HH YARD BASRA	Rig No.:	HH-29
Test Equipment & Consumable 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	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	3520 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2950 $\mu\text{w}/\text{cm}^2$
Magnetism Direction (Longitudinal)			
METHODOLOGY:	Through Visual inspection • Dimensional	•MPI inspection with Ultraviolet light Heat Checking Thread Profile Gauging.	
Connection:	NC50	Size:	5"

Serial No.	Visual Inspection				Black Light		Dimensional 3 Inspection															
	Pin	Box	Body	HB	Pin	Box	Pin						Box						Body			
							OD (in)	ID (in)	SRG ϕ (in)	SRG 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)
H32809	Acc	Acc	Acc	√	Acc	Acc	6 1/2"	3 1/16"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 1/2"	5 5/16"	5/8"	4 5/8"	8"	6 1/16"	14/32"	16 1/2"	19"	5 1/2"
H32824	Acc	Acc	Acc	√	Acc	Acc	6 1/2"	3 1/8"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 1/2"	5 5/16"	5/8"	4 5/8"	8 1/4"	6 1/16"	14/32"	19"	17 7/8"	5 1/2"
H32787	Acc	Acc	Acc	√	Acc	Acc	6 1/2"	3 1/16"	4 23/32"	1"	6 1/16"	4 7/16"	6 1/2"	5 5/16"	5/8"	4 5/8"	7 7/8"	6 1/16"	14/32"	16 3/4"	18 3/8"	5 1/2"
H32984	Acc	Acc	Acc	√	Acc	Acc	6 1/2"	3 1/8"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 1/2"	5 5/16"	5/8"	4 5/8"	8 1/8"	6 1/16"	14/32"	18"	14 7/8"	5 1/2"
H32940	Acc	Acc	Acc	√	Acc	Acc	6 1/2"	3 1/16"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 1/2"	5 5/16"	5/8"	4 5/8"	8 1/4"	6 1/16"	14/32"	17 3/4"	15 1/2"	5 1/2"
9560	Acc	Acc		√	Acc	Acc	6 1/2"	3 1/16"	4 23/32"	3/4"	6 1/16"	4 7/16"	6 1/2"	5 5/16"	5/8"	4 5/8"	8 1/8"	6 1/16"	14/32"	16 1/2"	19 1/8"	5 1/2"

Conclusion: The Above Mentioned 5" Heavy Weight Drill Pipe Were Found Acceptable from BOX Connection After Repair at the 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
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	Blue Damage	Green Seal Damage	Yellow ACFM

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

