

## CERTIFICATE OF INSPECTION FOR 9 1/2" DRILL COLLAR

Client Name:	<b>HONGHUA OIL&amp;GAS ENGINEERING SERVICES.</b>	Report No.:	QC-2023-1646-H09
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
<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	3520 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)			
METHODOLOGY:	• Through Visual inspection      •MPI inspection with Ultraviolet light • Dimensional 3		
Connection:	<b>7 5/8"Reg</b>	Size:	<b>9 1/2"</b>

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)
7788	Acc.	Acc.	Acc.	Acc.	Acc.	Acc.	9 5/8"	3 1/8"	6 3/8"	1"	5 1/4"	8 7/8"	9 5/8"	7 1/16"	5/8"	5 7/8"	8 7/8"	8 7/8"	18 3/8"	27 5/16"	-	9/32"	-
4433	Acc.	Acc.	Acc.	Acc.	Acc.	Acc.	9 5/8"	3 1/16"	6 3/8"	7/8"	5 1/4"	8 7/8"	9 5/8"	7 1/16"	5/8"	5 7/8"	8 1/2"	8 7/8"	18"	29 1/4"	-	9/32"	-
9966	Acc.	Acc.	Acc.	Acc.	Acc.	Acc.	9 5/8"	3 1/8"	6 3/8"	1"	5 1/4"	8 7/8"	9 5/8"	7 1/16"	5/8"	5 7/8"	9"	8 7/8"	12 1/8"	24 3/8"	-	9/32"	-
2102236	Acc.	Acc.	Acc.	Acc.	Acc.	Acc.	9 5/8"	2 7/8"	6 3/8"	7/8"	5 1/4"	8 7/8"	9 5/8"	7 1/16"	5/8"	5 7/8"	8 3/4"	8 7/8"	18"	26 3/4"	-	9/32"	-

**Conclusion:**      ■ (04) The above Mentioned 9 1/2" Drill Collar was found "Acceptable" from Pin & Box Connection After Repair 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>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>PT</b> Pitting Thread	<b>SP</b> Seal Pitting	<b>TD</b> Thread	<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 Damage.	<b>Blue</b> Damage	<b>Green</b> Seal Damage	<b>Yellow</b> ACFM

Inspector Name:	M. FAHAD	Review By			
Qualification:	ASNT Level 3 MPI, UT, RT	Senior Inspector:	RAO SOHAIL	Supervisor:	WAQAS AWAN
Signature:					Customer Name:
					Customer Signature:

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

