



## INSPECTION CERTIFICATE FOR 12 1/4" ROLLER REAMER# DEP-17-0819

<b>Client Name:</b>	AL-ESNAAD OIL TOOL FOR OIL SERVICES.LLC	<b>Report No.:</b>	QC-30-04-AL-ESNAAD-002
<b>Acceptance criteria:</b>	DS-1 Fifth Edition, Volume 4	<b>Date of Inspection:</b>	30.APR.2024
<b>Work Location:</b>	AL-ESNAAD OIL TOOL YARD		
<b>TEST EQUIPMENT &amp; CONSUMABLE 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.15.FEB.2024 Cal Due14.AUG.2024
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March,2025	A.C HAND YOKE	201504053 Cal.15.FEB.2024 Cal Due14.AUG.2024
INTENSITY METER	SR#1608000134 CAL.Date Cal. 15.FEB.2024 Cal Due 14.AUG.2024	UV BLACK LIGHT	SR#1900084 Cal.15.FEB.2024 Cal Due14.AUG.2024
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 Cal. 13.FEB.2024 Cal Due 12.AUG.2024	THREAD PROFILE GAGE	SR#21336 Cal. 13.FEB.2024 Cal Due 12.AUG.2024
Magnetic Particle Concentration 7HF	1.2 TO 2.4 ML/100 ML		SR#21335 Cal. 15.FEB.2024 Cal Due 14.AUG.2024
magnetic particle concentration fluorescent 14 HF	0.1 TO 0.4 ML/100 ML	WMPT Light Intensity	3500 Lux
RING GAUGE	DES 12 1/4" RING GAUGE SR # ITS-0012) CAL.Date.04.SEP.2023 CAL Due Date. 03.SEP.2024	UV LIGHT INTENSITY:	3050 μw/cm <sup>2</sup>
<b>MAGNITISUM DIRECTION (LONGITUDINAL)</b>			
<b>METHODOLOGY:</b>	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• MPI inspection with Ultraviolet light</li> <li>• Dimensional 3</li> </ul>		

### ROLLER REAMER 12 1/4"



Serial No.	Connection		Condition			Dimensional 3 Inspection																
	Pin	Box	Pin	Box	Body	Pin					Box					Body						
						OD	ID (F)	PIN λ(In)	SRG φ	SRG (In)	BEVEL φ	OD	CB φ	CB λ(In)	BBφ	BBλ(In)	BEVEL φ	Fishing Neck (A)	Blade Length (B)	Down Length (C)	Overall Length(D) (in)	Blade Width (E)
DEP-17-0819	6 5/8" Reg	6 5/8" Reg	Acc.	Acc.	Acc.	8 1/4"	2 7/8"	5"	5 3/8"	3/4"	7 3/4"	8 1/4"	6 1/16"	5/8"	5 18/64"	8 5/8"	7 11/16"	27 1/4"	19 1/2"	30 3/4"	74"	5 7/8"

**Conclusion:** \*12 1/4" ROLLER REAMER Was Found Acceptable 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>σ</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>	White	No Defects	Red	Crack or Extreme Damage.	Blue
					Damage
					Green
					Seal Damage
					Yellow
					ACFM

<b>Inspector</b>	Usman shabbir	<b>Review By</b>					
<b>Qualification:</b>	ASNT Level II MT/PT/UT	<b>Senior Inspector:</b>	NAVEED HUSSAIN	<b>Supervisor:</b>	RAO SOHAIL	<b>Customer Name:</b>	
<b>Signature:</b>						<b>Customer Signature:</b>	

Original - Client Files Copy - Area Office QC/FN/IBS/001 Rev.00 Dated: 07 Nov 2021