

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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AFTER REPAIR INSPECTION CERTIFICATE OF 12 ¼" ROLLER REAMER#DEP-19-1230

Client Name:	AL-ESNAAD OIL SERVICES.LLC	Report No.:	AL-ESNAD-QC-24-SEP-007
Acceptance Criteria:	☒ API SPEC 7-2	Date of Inspection:	01.SEP.2024
Work Location:	ABERDEEN WORKSHOP BASRA IRAQ	COMPANY NAME.:	AL-ESNAAD
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	22713 Cal.25.JUL.2024 Cal Due24.FEB.2025
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	PY-10 Cal.25.JUL.2024 Cal Due24.FEB.2025
INTENSITY METER	SR#1608000134 CAL.Date Cal. 25.JUL.2024 Cal Due 24.FEB.2025	UV BLACK LIGHT	SR#1895313 Cal.25.JUL.2024 Cal Due24.FEB.2025
LEAD GAGE	SR#AH07KF0026 GAEMAKER LG- Cal. 25.JUL.2024 Cal Due 24.FEB.2025	THREAD PROFILE GAGE	SR#21336 Cal. Cal.25.JUL.2024 Cal Due24.FEB.2025 SR#21335 Cal. Cal.25.JUL.2024 Cal Due24.FEB.2025
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3400 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3150 µw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	• Through Visual inspection • Dimensional • MPI inspection with Ultraviolet light *Lead Gaiging, & Thread Profile Gaiging.		

Serial No.	Description	Connection		Result Inspection			Dimensional - Inspection														
							Pin					Box					Body				
		Pin	Box	Pin	Box	Body	OD(In)	ID(In)	SRG □ (In)	SRG W □ (In)	Pin □ (In)	Bevel □ (In)	OD(In)	CB □ (In)	CB □ (In)	BBD □ (In)	BBL □ (In)	Bevel □ (In)	Tongspac e (In)□	Box Lth (In)□	Overall □ (In)
DEP-19-1230	12 ¼" ROLLER REAMER	-	6 5/8"Reg	-	Acc.	-	-	-	-	-	-	-	8 ¼"	6 1/16"	5/8"	5 18/64"	8 3/4"	7 5/8"	-	26 7/8"	-
Conclusion :		*12 ¼" ROLLER REAMER was found "Acceptable" AFTER REPAIR Box Connection At the time of Inspection (Ready for Use).																			

OD	Outside Diameter	ID	Inside Diameter	SRG	Stress Relief Groove	CB	Counter Bore	BB	Bore Back	FB	Float Bore
	Diameter		Length		Width		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	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:	Review By				
Qualification:	Senior Inspector:	M.SARWAR	Supervisor:	NAVEED HUSSIN	Customer Name:
Signature:					Customer Signature:
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021	

