

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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INSPECTION CERTIFICATE MAGNETIC PARTICLE OF CIRCULATION SUB#MJS23061227

Client Name:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY(HONG KONG) CO LIMITED IRAQ	Report No.:	ZPEC-16-QC-24-08-RS-032
Acceptance Creater:	DS-1 Fifth Edition, Volume 3	Date of Inspection:	07.AUG.2024
Work Location:	PO-64	Rig No.:	ZPEC-16
Test Equipment & Consumeable 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.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 SR#21335 Cal. 15.FEB.2024 Cal Due 14.AUG.2024
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	3500 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	3050 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • Dimensional • MPI inspection with Ultraviolet light 		

Serial No.	Description	Connection		Result Inspection			Dimensional- Inspection													
		Pin	Box	Pin	Box	Body	Pin					Box					Body			
							OD (In)	ID (In)	NECK (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)
MJS23061227	CIRCULATION SUB	2" 1502 FIG	NC50	Acc.	Acc.	Acc.	-	-	-	-	-	6 1/2"	5 5/16"	5/8"	-	-	6 5/16"	-	-	19 7/8"
Conclusion :		*01CIRCULATION SUB above was found "Acceptable". 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	
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:	RAG SHAH ASNT Level I			Review By			
Qualification:	Senior Inspector:	M.USMAN	Supervisor:	M.SARWAR	Customer Name:		
Signature:					Customer Signature:		
Original - Client Files		Copy - Area Office		QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021			

