

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



AFTER REPAIR INSPECTION CERTIFICATE OF 9" NMDC

CLIENT NAME:	ZHONGMAN PETROLEUM AND NATURAL GAS GROUP CROP,LTD	REPORT NO.:	QC-B-05-25-0336-3
ACCEPTANCE CRITERIA:	<input checked="" type="checkbox"/> API SPEC 7-2	Date of Inspection:	03-June-2025
WORK LOCATION:	ABERDEEN WORKSHOP		
RIG NAME:	ZPEC-35		
TEST EQUIPMENT & CONSUMABLE DETAILS			
Penetrant SKL-WP2	Batch #:230206 Exp: FEB,2026 Manufacture: Magnaflux	Developer SKD-S2	EXP#:230608 Exp. JUNE,2026 Manufacture: Magnaflux
Technical Details	TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE		
Lead Gage	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date. 12.May.2025 CAL Due Date. 11.Nov.2025	Thread Profile Gage	SR#21336 CAL.Date. 12.May.2025 CAL Due Date. 11.Nov.2025 SR#21335 CAL.Date. 12.May.2025 CAL Due Date. 11.Nov.2025
Penetrant Dwell Time:	30 Minutes	Developer Dwell Time:	15 Minutes
Test Part Temperature:	88 °F	White Light Intensity:	3590 lux
INFRARED THERMOMETER	201704125	CAL DUE DATE.	11.Nov.2025
Digital Lux Meter	KL-2842393	CAL DUE DATE.	11.Nov.2025
WATER PRESSURE	30 PSI	COMPARATOR BLOCK	SR#11223 CAL.Date. 12-May.2025 CAL Due Date. 11 Nov .2025
METHODOLOGY:	<ul style="list-style-type: none"> • Through Visual inspection • Dimensional 3 • Dye Penetrant Inspection *Lead Gaiging, & Thread Profile Gaiging. 		

Serial No.	Description	Connection		Result Inspection			Dimensional 3 Inspection												
		Pin	Box	Pin	Box	Body	Pin					Box					Body		
							OD(In)	ID(In)	SRG ϕ(In)	SRG ϖ(In)	Pin λ(In)	Bevel ϕ(In)	OD(In)	CB ϕ(In)	CB δ(In)	BB ϕ(In)		BB δ(In)	Bevel ϕ(In)
ZH24005	9" NMDC	7-5/8 Reg	-	Acc.	-	-	9"	3-1/2"	6-3/8"	1"	5-3/16"	8-9/16"	-	-	-	-	-	-	-
Conclusion:		■ (01) The above Mentioned 9" NMDC was found "Acceptable" from PIN Connection After Repair at 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 Damage.	Blue	Damage	Green	Seal Damage	Yellow	ACFM

Inspector Name:		Review By					
Qualification:		Senior Inspector:	NAVEED HUSSAIN	Supervisor:	AHMED MUHAMMAD	Customer Name:	
Signature:						Customer Signature:	

Original - Client Files

Copy - Area Office

QC/FN/DPI/006 Rev.00

Dated: 07 Nov 2021

