

**AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED**

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**CERTIFICATE OF INSPECTION AFTER REPAIR FOR 8" NMDC**

<b>Client Name:</b>	DAQING DRILLING	<b>Report No.:</b>	QC-B-04-25-0233
<b>Acceptance Criteria:</b>	<input checked="" type="checkbox"/> API SPEC 7-2	<b>Date Of Inspection:</b>	30.APRIL.2025
<b>Work Location:</b>	ABERDEEN WORKSHOP	<b>Rig Name</b>	DQ-12
<b>TEST EQUIPMENT &amp; CONSUMABLE DETAILS</b>			
<b>Penetrant SKL-WP2</b>	Batch #:230206 Exp: FEB,2026 Manufacture: Magnaflux	<b>Developer SKD-S2</b>	EXP#:230608 Exp. JUNE,2026 Manufacture: Magnaflux
<b>Technical Details</b>	TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE		
<b>Lead Gage</b>	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date. 12.NOV.2024 CAL Due Date. 11.MAY.2025	<b>Thread Profile Gage</b>	SR#21336 CAL.Date. 12.NOV.2024 CAL Due Date. 11.MAY.2025 SR#21335 CAL.Date. 12.NOV.2024 CAL Due Date. 11.MAY.2025
<b>Penetrant Dwell Time:</b>	30 Minutes	<b>Developer Dwell Time:</b>	15 Minutes
<b>Test Part Temperature:</b>	88 °F	<b>White Light Intensity:</b>	3590 lux
<b>Methodology:</b>	<ul style="list-style-type: none"> <li>• Through Visual inspection</li> <li>• Dye Pentrant Inspection</li> <li>• Dimensional 3</li> </ul>		
<b>Connection:</b>	(6 5/8 Reg)	<b>Size:</b>	8"

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 ω(In)	Pin λ(In)	Bevel φ(In)	OD(In)	CB φ(In)	CB δ(In)	BB φ(In)		BB δ(In)	Bevel φ(In)	Overall λ(in)
06000017	8 1/2" NMDC	6 5/8" REG	6 5/8" REG	Acc.	Acc.	--	8"	2 7/8"	5 12/32	3/4	5"	7 1/2"	8 2/32"	6 2/32"	5/8"	5 9/32"	8 1/4"	7 1/2"	--	
112-2	8 1/2" NMDC	6 5/8" REG	6 5/8" REG	Acc.	Acc.	--	8"	2 15/16"	5 12/32	3/4	5"	7 1/2"	8 2/32"	6 2/32"	5/8"	5 9/32"	8 1/4"	7 1/2"	--	
<b>Conclusion:</b>		■ (02)The above Mentioned 8" NMDC were found "Acceptable" from Pin X 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>φ</b> Diameter	<b>λ</b> Length	<b>ω</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>		<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

<b>Inspector Name:</b>	NAVEED HUSSAIN	<b>Review By</b>					
<b>Qualification:</b>		<b>Senior Inspector:</b>	Tayyab Mahmood	<b>Supervisor:</b>	AHMED MOHAMMAD	<b>Customer Name:</b>	
<b>Signature:</b>						<b>Customer Signature:</b>	
Original - Client Files		Copy - Area Office QC/FN/AF,REP/026 Rev.00 Dated 07 NOV 2021					

