



P.O. Box 18088, Jebel Ali Dubai,
United Arab Emirates
Tel: 971-4-8861155 Fax: 971-4-8861144

(Site Inspection)**7838 – BRAKE REPORT**

Customer	International Rig Equipment	Job No	W-25092
Date Visited	15.04.2025	Brake Color	Blue

Brake Nameplate Data

Serial No	RQB10501W	Model	7838
Assembly No	-	Input Amps	74
Maximum RPM	600	Input Volts	250VAC
Coolant	150 GPM	Flow Rate	150 GPM

Major Components Serial Numbers

	Magnets	Inner Coil	Outer Coil
I/B	RTB8158W	IB 6270PB	OB 6273PB
O/B	RTB8159W	IB 6274PB	OB 6275PB

Visible Condition When inspected

Brake is hard upon rotating

Misc. Components Installed on Brake

DW Cradle	Ship Skid	Hub	Sleeve	Shifter	Keeper	Power Plug
X	X	X	X	X	X	X

Warning

If brake air gap inspection plug cannot be removed with normal tools, notify supervisor prior to using torch to heat plugs for removal. Assure that no foreign or flammable substances are present inside brake or magnet coils cavities. If foreign substances are found notify supervisor before proceeding

Brake Air-Gap Measurements x 0.000 Inches

I/B	A	0.040"	B	0.022"	C	0.064"
I/B @ 90 Deg	A	0.042"	B	0.024"	C	0.068"
O/B	A	0.058"	B	0.040"	C	0.042"
O/B @ 90 Deg	A	0.056"	B	0.040"	C	0.048"
Measurement Taken By:	Sunny			Date: 15.04.2025	Sunny	



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7838 – Outboard Magnet Inspection Report

Client	International Rig Equipment	Job No	W-25092
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Magnet Serial Number		
Magnet	Inner Coil	Outer Coil
RTB 8158W	IB 6270PB	OB 6273PB

Visible Condition When inspected
Brake is hard upon rotating

Warning
Assure that no foreign or flammable substances are present inside brake or magnet coils cavities. If foreign substances are found notify supervisor before proceeding

Magnet Coil Electrical Measurements					
Coil No	DC Resistance			550VDC Insulation Resistance	
F1 – F2	(10.8±0.5)	14.4	Ohms	550	Ohms to grd.
F3 – F4	(10.8±0.5)	14.4	Ohms	550	Ohms to grd.
Measurements Taken By: Sunny			Date: 15.04.2025		

IR @ 500 Volts between Coils –F₁F₂ – 550 MΩ

Meter Identification No:	TE-28, 76
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Magnet Critical Dimensions		
Outside Diameter	(Min 71.890 – Max 72.090)	
End Rig Step	(64.495 – 64.500)	
Center Plate Step	(53.518 – 53.520)	
Measurements Taken By:		Date:

Magnet Construction	Double Stainless	Single Stainless	All-Welded



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7838 – Inboard Magnet Inspection Report

Client	International Rig Equipment	Job No	W-25092
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Magnet Serial Numbers		
Magnet	Inner Coil	Outer Coil
RTB8159W	IB 6274PB	OB 6275PB

Visible Condition When inspected
Brake is hard upon rotating

Warning

Assure that no foreign or flammable substances are present inside brake or magnet coils cavities. If foreign substances are found notify supervisor before proceeding

Magnet Coil Electrical Measurements					
Coil No	DC Resistance			550 VDC Insulation Resistance	
F5 – F6	(10.8±0.5)	14.4	Ohms	550	Ohms to grd.
F7 – F8	(10.8±0.5)	14.4	Ohms	550	Ohms to grd.
Measurements Taken By: Sunny			Date: 15.04.2025		

IR @ 500 Volts between Coils – F₇F₈ – 550 MΩ


Meter Identification No:	TE-28, 76
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Magnet Critical Dimensions		
Outside Diameter	(Min 71.890 – Max 72.090)	
End Rig Step	(64.495 – 64.500)	
Center Plate Step	(53.518 – 53.520)	
Measurements Taken By:		Date:

Magnet Construction	Double Stainless	Single Stainless	All-Welded



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Site Inspection Report Summary		Job №	W-25042
Sr. №	Observations		
1	Visited International Rig Equipment at Hamriyah Free Zone and met with Mr. Tamoor Shahid.		
2	Performed a visual inspection of the 7838 brake.		
3	Upon rotating the brake, it was found to be difficult to turn, and internal noise was observed.		
4	All inspection holes were opened, and readings for air gap, DC resistance, and insulation resistance were recorded.		
(Images)			
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Sr. №	Proposed Scope of Work		
1	Due to prolonged storage, the brake has developed rust and produces noise during rotation.		
2	The brake needs to be brought to WWPS for complete inspection and Premium Overhaul.		
Inspected By: Sunny		Date: 15.04.2025	Sign: Sunny