



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY/MM/DD 2024/10/01	Report Number	20240927-WMSC-MAL-1
Rail Agency Name	Washington Metropolitan Area Transit Authority	Rail Agency Department	Name
Rail Agency Department	CMNT	Contact Information	
Inspection Location	Brentwood S&I Shop - Railyard B99 601 T Street NE Washington DC 20002		

Inspection Summary

Inspection Activity #	1
Activity Code	VM-WI-PI
Inspection Units	1
Inspection Subunits	1
Defects (Number)	4
Recommended Finding	Yes
Remedial Action Required¹	No
Recommended Reinspection	Yes

Activity Summaries

Inspection Activity #	1	Inspection Subject	Observation 7K SMP overhaul process			Activity Code	VM-WI-PI													
Job Briefing Employee Name/Title	WMATA Inspection	Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	06:30 AM	Outside Shift	No											
Related Reports	N/A	Related CAPS / Findings	N/A																	
Related Rules, SOPs, Standards, or Other	Ref	Rule or SOP	Standard	Other / Title			Checklist Reference													
	METRORAIL OPERATING RULEBOOK FIRST EDITION Effective: Sept 1, 2023, Safety Rules	N/A	N/A	N/A			N/A													
Inspection Location	Main Track	Yard	Station	OCC	RTA Facility	WMSC Office	Track Type	At-grade	Tunnel	Elevated	N/A									
		X																		
Line(s) & Track Number	Brentwood S&I Shop - Railyard B99 601 T Street NE Washington DC 20002			Chain Marker and/or Station(s)	From			To												
					N/A			N/A												
Vehicles	Head Car Number		Number of Cars		Equipment	N/A														
	N/A		N/A																	
Description	<p>WMSC Inspectors conducted a rules compliance of the Brentwood S&I Shop and Yard in compliance with the Metrorail Operating Rules and Procedures Handbook (MOR). WMSC Inspectors conducted an inspection of the Brentwood S&I Shop along with the Office of the Inspector General (OIG) to resolve an issue with the installation of the brake calipers onto the 7000 Series trucks during Scheduled Maintenance Program (SMP) activities. The following observations were noted. General Information: WMSC inspectors met with personnel from the Office of the Inspector General (OIG), CMNT Inspection Office, Truck shop, Scheduled Maintenance Program (SMP), and the Wheel Replacement Program (WRP). The following observations were noted. - An issue is being investigated by WMSC and the OIG - An observation of SMP operations revealed that new caliper mounting brackets are being thrown away during the SMP truck overhaul process. It was stated that CENV engineering does not require the replacement of these mounting brackets. CMNT personnel stated that the mounting bracket sometimes comes with the brake caliper assembly and sometimes it doesn't. CENV engineering is in the process of correcting this discrepancy with Knorr so that the mounting bracket does not come with the caliper. - During the investigation CENV provided the attached excerpts from the Heavy Repair Manual (as provided by Knorr via Kawasaki). Six attachments were provided. The following information was included. - HRM, Section 4-4, Table 4-14, states overhaul schedule intervals for different components of the friction brake equipment. - HRM Section 4-4.1.8, Brake caliper (active and passive) with mounting bracket procedure. As stated in Table 4-14, There is no requirement to overhaul the mounting bracket. - HRM Section 4-4.1.7, Brake caliper (active only) with mounting bracket procedure. As stated in Table 4-14, There is no requirement to overhaul the mounting bracket. - HRM Section 4-4.3.4, Brake caliper with the holding brake without the mounting bracket procedure. As stated in Table 4-14, at 700,000 miles an overhaul of the brake caliper with the holding brake is required. - HRM Section 4-4.3.3, Brake caliper without the holding brake without the mounting bracket procedure. As stated in Table 4-14, at 700,000 miles an overhaul of the brake caliper without the holding brake is required.</p>																			
											Number of Defects		4							
											Recommended Finding?		Yes							
											Remedial Action Required?		No							
Remedial Action	<p>Recommended Reinspection? Yes</p>																			

¹ The rail transit agency must provide WMSC with the necessary evidence (e.g. maintenance work order system records, photos, documentation, records, data, or other evidence) to close out the Remedial Action. Closeout of Remedial Actions may also be subject to ongoing WMSC verification inspections to ensure corrections are sufficient and effective.



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Inspector in Charge's Signature		Date 2024/10/01
Inspector in Charge's Name Manuel Lopez	Inspection Team John DeRenzo	