



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY/MM/DD 2024/02/02	Report Number	20240131-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)	3
Recommended Finding	Yes
Remedial Action Required¹	No
Recommended Reinspection	No

Activity Summaries

Inspection Activity #	1	Inspection Subject	Observation 7K Wheelset Assembly Process				Activity Code	VM-WI-PI						
Job Briefing Employee Name/Title	WMATA Inspection	Accompanied Inspector?	No	Out Brief Conducted	Yes	Time		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										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 Inspector conducted a rules compliance inspection of the wheelset assembly process at the Greenbelt S&I Shop for compliance with the Metrorail Operating Rules and Procedures Handbook (MOR), including Preventive Maintenance Inspections (PI) activities. General Information: Conducted an observation of the wheel boring and pressing process at the Brentwood S&I shop. WMSC met with personnel from the CMNT Inspection Office, truck shop, Safe, and quality assurance. The following observations were noted. Brentwood S&I shop is preparing for the SMP program. The wheel press machine at Greenbelt is not operational. Brentwood is currently pressing wheelsets for Greenbelt to support the 7K wheelset replacement effort due to BTB exceedances. See Attached Photos #1 and #2. Three types of wheel configurations are being received at Brentwood, wheels with no hydraulic assist connection hole, wheels with a hydraulic assist connection hole but no hydraulic assist chamfer, and wheels with a hydraulic assist connection hole and a hydraulic assist chamfer. Wheels with a hydraulic assist connection hole and a chamfer are the desired configuration. The number of misfits is going declining at Brentwood. Brentwood uses an interference fit of 6.8 thousand and low lubrication process. The high interference fit, and low lubrication process is causing new wheels and axles to get damaged during the de-mounting process. Brentwood is missing spare parts needed to overhaul components. Defect #1 - The SMP needs to develop a float of spare parts to not only be able overhaul components from 7K railcars but to also keep the wheel boring and wheel press machines operational.</p>										Number of Defects		3	
											Recommended Finding?		Yes	
											Remedial Action Required?		No	
											Recommended Reinspection?		No	
Remedial Action														

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.

Inspector in Charge's Signature	Date 2024/02/02
Inspector in Charge's Name Manuel Lopez	Inspection Team N/A