



Inspection Form

Form WMSC-IR-1

Washington Metrorail Safety Commission

Agency/Department Information

Inspection Date	YYYY/MM/DD 2024/04/18	Report Number	20240410-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)	1
Recommended Finding	Yes
Remedial Action Required¹	No
Recommended Reinspection	No

Activity Summaries

Inspection Activity #	1	Inspection Subject	On-site Observation				Activity Code			VM-WI-PI			
Job Briefing Employee Name/Title	WMATA Inspection	Accompanied Inspector?	Yes	Out Brief Conducted	Yes	Time	07:00 AM	Outside Shift	No				
Related Reports	ETP 140134	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 disassembly and inspection process per ETP 140134 at the Brentwood S&I Shop in compliance with the Metrorail Operating Rules and Procedures Handbook (MOR), including Preventive Maintenance Inspections (PI) activities. General Information: Participated in the second set of wheelset disassembly and inspection process at the Brentwood S&I Shop. Pulled axle LDZ-274 from railcar 7274, and axle WBZ-2951 from railcar 7275. Personnel from the Brentwood truck shop, CENV, CMOR, Quality assurance, and WMSC were present. CMOR took the lead in the cleaning, measurement, and inspection process. The following observations were noted. Inspections of the second set of 4 wheels per ETP 140134 at a 20,000-mile interval. - The wheels bore was cleaned with a rag. - The wheels bore, and axles had signs of damage from the de-mounting process. Hydraulic assist is not being used to demount the wheels. - The wheel bore diameter was then measured at three locations. Dimensions were compliant with the original measurements. - The wheel bore was then coated with a red die-penetrant spray, and they were set aside to sit for 30 minutes to allow this very thin die-penetrant fluid to go in any possible cracks. - After 30 minutes the die-penetrant is whipped clean with a rag. The die-penetrant will remain in any possible cracks. The wheel bore is then sprayed with a white developer spray to visually enhance any sign of cracks. None were detected on all four wheels. - Defect #1 - WMSC noticed that one of the wheelsets which was being torn down at Brentwood (WBZ-2951) had the wheels cut to 27.770 based on the wheel size written on the face of the wheel. WMSC will investigate justification for the wheel cut based on the low mileage condition. The wheel from railcar 7475 was cut due to an out of round condition. See Attached Photo #1.</p>										Number of Defects		1
											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 2024/04/18
Inspector in Charge's Name Manuel Lopez	Inspection Team John DeRenzo