

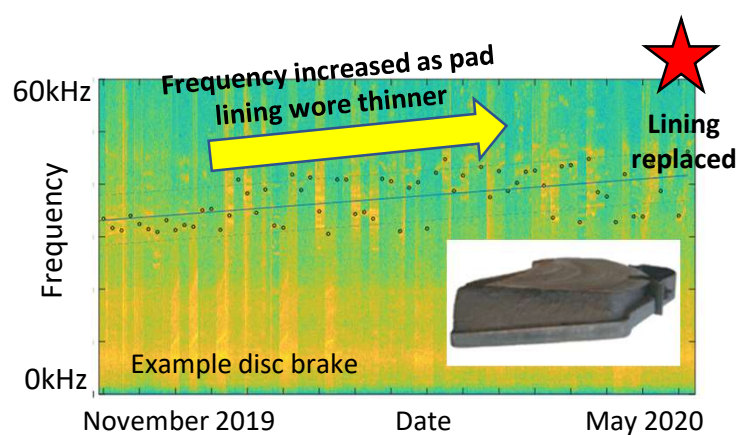
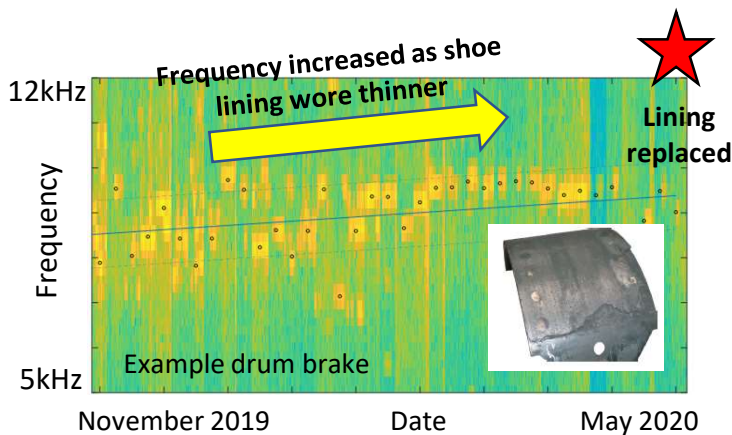
## Predictive Maintenance of Brake Lining Wear Through BrakeAudit Acoustic Sensors

*National Academy of Science's Transportation Research Board releases research report showing brake lining wear can be monitored through roadside acoustic sensors.*

Bethesda, MD – The National Academy of Sciences, Engineering, and Medicine's Transportation Research Board approved the release of a research report showing that BrakeAudit's passive acoustic sensors placed roadside can monitor wear of brake linings of an entire fleet.

### Roadside Acoustic Sensors Can Predict When Brake Linings Will Need to be Replaced

Acoustic spectra increase as brake linings wear thinner. During the course of this study, eight vehicles with drum brakes and six with disc brakes were found to have worn below minimum thicknesses when the frequency reached a critical threshold and had to be replaced.



### Predictive Maintenance Helps Optimize Maintenance Scheduling

The use of this information in predictive maintenance significantly reduces the maximum time a problem could go undetected between periodic inspections. This data helps with scheduling planned maintenance and parts inventory, and identifies sudden changes such as breakages, contamination of components, and reduces unplanned downtime due to failed inspections. The roadside drive-through passive nature of the acoustic sensor system provides a cost effective method of tracking brake wear across an entire fleet.

### Call For Collaboration and Testing Partners

BrakeAudit LLC is seeking testing partnerships for longer term study. For more information contact Brian Hearing at [brian.hearing@brakeaudit.com](mailto:brian.hearing@brakeaudit.com) or (800) 982-6967.

### About BrakeAudit

Headquartered in Bethesda MD, BrakeAudit provides drive-through automatic brake inspection systems used in fleet management, inspection screening, eDVR, autonomous vehicles and platooning, roadside automobile screening, and OEM/on-board sensors.