



# XIX EXPORAIL 2020

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*Unimos la Industria de México*



# EHMS Data Summaries & Alerts





# Data Summaries



# What is a Data Summary?

- A data summary contains the important data information from *multiple wayside detector reads* in one report.
- Data summaries provide an aggregate view of detector data for a component location on equipment.
- This allows consumers to make decisions based on data much quicker.

# Data Summary Benefits

- Provides users convenient, concise view into asset health conditions.
- Helps to reduce unnecessary and costly repairs that happen when work on a railcar has occurred but has not been reported.
- Gives users visibility to detector coverage across all Class I rail networks and track owned by short line railroads in a consistent format.
- Helps improve maintenance planning and identify potential issues before they reach alert-level status.

# Data Summary Types

- ABD (Acoustic Bearing)
- AEI Data Summary
- Break Health Data Summary
- Line of Road Failure Data Summary
- THD (Truck Hunting) Data Summary
- **TGD (Truck Geometry) Data Summary**
- WPD (Wheel Profile) Data Summary
- WILD (Wheel Impact Load) Data Summary

# Data Summary Auto Close Feature

- Data summary reads can auto close.
- With auto close feature, data summaries are automatically closed as a result of several consecutive non-elevated readings.
- Auto-close feature aids in closing associated Industry Alerts for

Alert Type	Alert Level	Total
WILD	AAR Condemnable	106,074
	ATSI Mandatory	1,869
ABD	AAR Condemnable	5,917
THD	AAR Condemnable	6,070
LORFNCF	AAR Condemnable	74,724



# EHMS Alerts





# EHMS Alert Types

- ABD (Acoustic Bearing)
- AEIMISMATCH (AEI TAG Equipment Initial & Number Mismatch)
- AEITAG (AEI TAG Missing [Left or Right Side])
- LORFNCF (Line of Road Failure – No Cause Found)
- LORFAHS (Line of Road Failure- Air Hose Support)
- THD (Truck Hunting)
- TPDG (Truck Performance Gauge)
- TPDL (Truck Performance Lateral)
- WILD (Wheel Impact Load)
- WILD\_WPD (Wheel Impact Load Detector w/ Wheel Profile Detector)
- WPDWHEEL (Wheel Profile Detector- Wheel Plate Measurements)
- WPDAXLE (Wheel Profile Detector – Axle Bent)

# Questions?

