



Tracking Trip Optimizer Usage – Increase Adoption for Fuel Savings

When the impact of a control system on fuel savings is estimated to be 3%-18% realized, how do you verify that the technology is being utilized appropriately to assure on-time arrival with the least possible fuel usage?

The solution is real-time alerting to the Fuel Desk, Dispatch or Road Foreman for usage on a Trip Optimizer equipped locomotive, enabling engineers to take immediate corrective action.

Alerts on Technology Investment Usage

With Wi-Tronix Trip Optimizer Usage Alerts, a real-time notification is sent via email, text or in-browser when:

- A train that has a Trip Optimizer equipped Lead locomotive crew changes or leaves an origin station **and**
- Travels more than 12 miles from the station boundary **and**
- Trip optimizer has not been enabled

Capability to evaluate Trip Optimizer usage in near real-time (every 10 minutes) is being tested.

The addition of a fleet map provides you with a network view for Trip Optimizer status and utilization on all assets through the Wi-Tronix Portal.

Did You Know:

Data Analysis shows that at departure station, Train Consist Lead information is accurate only 50% of the time vs. Wi-Tronix estimated lead (using event recorder data) at 80%+ accuracy?

Wi-Tronix Trip Optimizer Usage Alerts only triggers on the Trip Optimizer equipped locomotives, reducing false alarms to users.

Customers who have found maximum value from the Wi-Tronix Trip Optimizer Usage Alert solution are sending the notifications to their 24/7 manned fuel desk and integrated their dispatch desk for actioning.



Fleet map displays red trains where Trip Optimizer is installed on lead asset, but not in cruise control mode.

Why Wi-Tronix?

Increase Trip Optimizer Adoption to Increase Fuel Savings

- **Get real-time notifications** when Trip Optimizer is not being used
- **Actionable alerts** to prevent additional verification steps
- **Visualize Status** for all active trains on network quick action for anomalies
- Enable utilization **continuous monitoring** beyond the first "setup" conditions
- Triage root case for low Trip Optimizer miles to **increase savings:**
Engineer non-compliance vs Mechanical defect vs. Trip Optimizer design

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