

# Overcoming Tire Management Challenges in the Trucking Industry

## INTRODUCTION

Tire management plays a vital role in the trucking industry, where commercial vehicles are relied upon to transport goods across long distances. Trucking companies need to ensure that their fleet of trucks is operating at optimal levels and that their tires are in good condition to avoid any potential breakdowns or accidents on the road.

## CHALLENGES

Cost is one of the major concerns, as replacing tires was a significant expense for trucking companies. Balancing the cost of replacement with maintaining good tire performance was tricky, especially for small and medium-sized companies without the resources to invest in advanced tire management systems.

Another critical challenge was safety. Tire failures led to serious accidents that had severe consequences for both the driver and other road users. Identifying tire-related issues before they become critical was essential to ensure the safety of everyone on the road.

Moreover, the trucking industry is highly time-sensitive, and any downtime resulted in significant financial losses. Finding the time for regular tire maintenance and inspections was challenging, especially when drivers were under pressure to deliver goods quickly.



# SOLUTIONS

To address these challenges, trucking companies implemented our tire management software.

The software provided real-time data on tire stocks. Companies tracked tire history, and managed the fleet of vehicles and tires effectively.

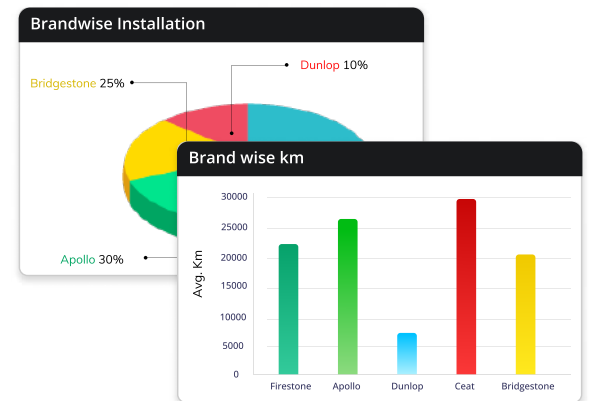
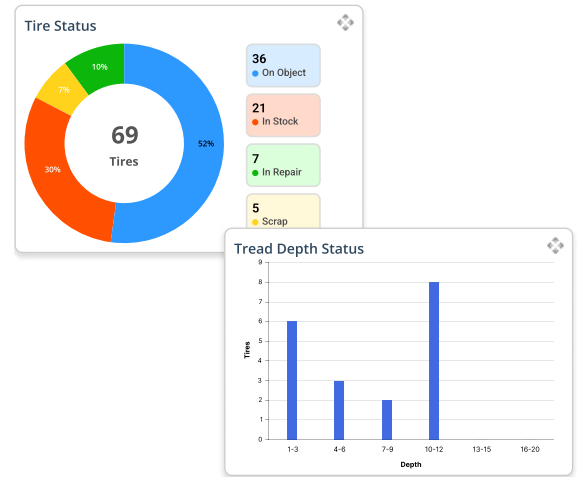
Trucking companies balanced the cost of replacement with maintaining good tire performance and ensuring the safety of their drivers and other road users.

Tire inspections were also implemented to identify tire issues before they become critical.

Tire installation and brand-wise installation charts were used to track tire usage and ensure proper equipment.

This solution saved time and improved efficiency, allowing trucking companies to stay on schedule and avoid costly downtime.

The reports and charts provided by the software were used to analyze tire performance data and predict tire failures proactively. By using this solution, trucking companies identified patterns and addressed tire issues before they became critical. This approach reduced costs and improved safety by avoiding accidents and downtime due to tire failure.



**Tire Event Detail**

Event	Event Date	Description	Object No	Mileage	Event By
Allocate Tyre	19-04-2021 06:05 PM	Replacing old tyre	Tire258	698.2	5ktraders
Change Position	22-04-2021 09:10 PM	-	003	198.3.2	iot11

**Tire Overview**

Brand	Model	Serial No.	Manufacture Date	Condition	Tread Pattern	Size	Status
Apollo	AP235	11235	07-06-2022	New	Directional	145/80R12	In stock
MRF	MR142	09142	07-06-2022	New	Directional	285/35R22	On vehicle 16
Ceat	C2333	22333	08-06-2022	Used	Symmetric	265/40R21	Unusable
Yokohama	YOKO2	00002	09-06-2022	Used	Asymmetric	275/35R21	In stock
Michelin	MIC15	13115	10-06-2022	Used	Asymmetric	175/60R15	In stock
MRF	MRS68	00009	09-06-2022	New	Directional	205/45R17	On vehicle 13

## RESULTS

**Improved safety** – By identifying tire-related issues before they become critical, the software helped ensure the safety of drivers and other road users, reducing the risk of accidents and associated costs.

**Increased efficiency** - The software provided real-time data on tire performance and history, allowing trucking companies to manage their fleet more effectively and optimize their operations. This led to increased efficiency and reduced costs.

**Reduced downtime** - The time-sensitive nature of the trucking industry means that any downtime results in significant financial losses. By proactively identifying tire issues, the software helped trucking companies avoid costly downtime due to tire failure.



## RELATED USE CASES



**Enhancing Agricultural Efficiency and Productivity Tire Management**



**Safety and Efficiency in Mining Operations through Tire Management**