



Instant Data Capture &
Insights for Automotive Experts

MODERNIZING FLEET TIRE MAINTENANCE

**A Pressing Need for
Digital & AI Integration
in Fleet Operations**



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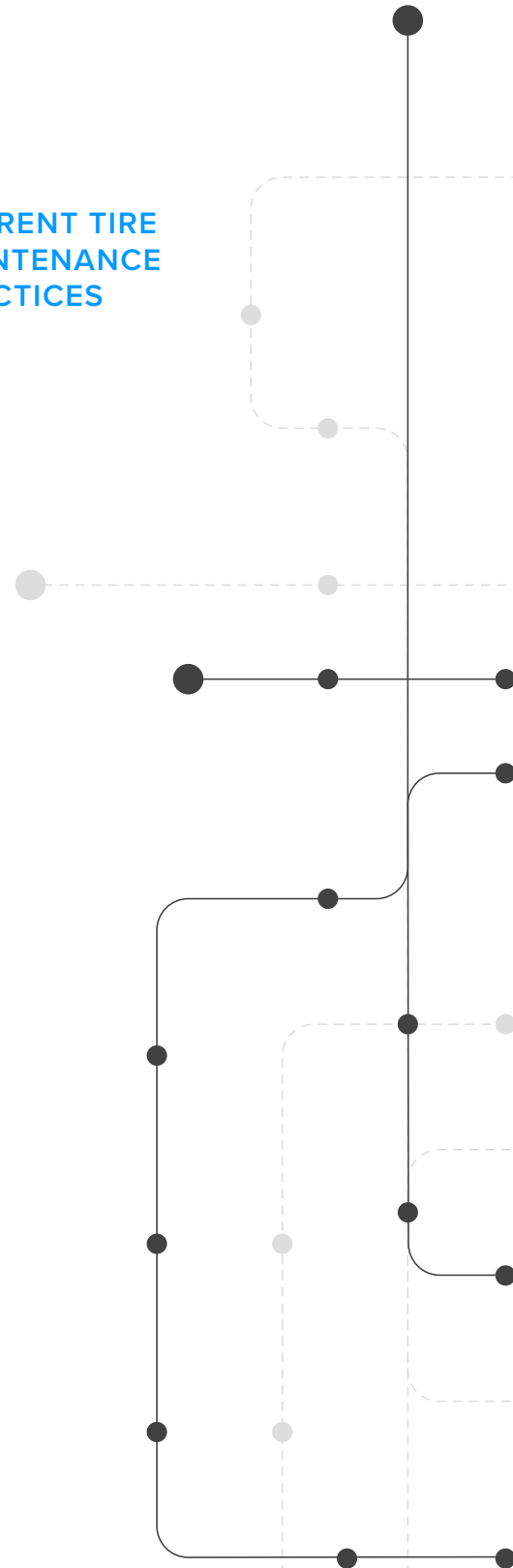
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INTRODUCTION

With over 750,000 fleet operators managing millions of vehicles across the United States according to the U.S. Department of Transportation, the need for safe and efficient fleet management practices has never been more critical.

Today's fleet vehicles are constantly in motion, and this presents significant challenges for vehicle maintenance. To address these challenges and advocate for the adoption of advanced data-capture solutions, Anyline conducted an in-depth survey of nearly 200 U.S.-based fleet professionals from diverse industries.

THE OBJECTIVES OF THE SURVEY WERE MULTIFACETED:



Identify Tire Maintenance Practices & Assess Knowledge Levels



Evaluate Prioritization of Tire Health



Gather Insights on Challenges



Explore Demand for Information & Resources



The survey shed light on both successes among the fleet operators surveyed and areas where there is room for significant improvement. Findings revealed that despite the clear benefits of predictive maintenance and digital tire management tools, many fleet operators still rely on outdated methods, leading to inefficiencies and increased safety risks.

This report highlights the urgent need for modernization through embracing digital and AI-driven solutions with the ultimate goal of driving the industry toward a safer, more efficient future.

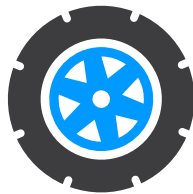
KEY TAKEAWAYS



Most fleets use outdated methods for tire maintenance



Manual data entry for tire information still dominates the industry



Tire wear information remains disconnected from the broader vehicle ecosystem

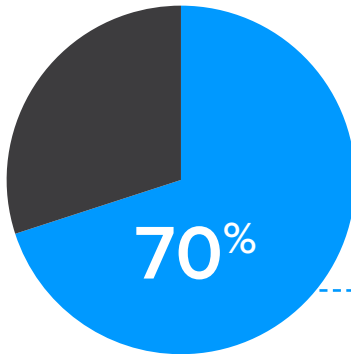
“ This is a wake-up call for the industry to leverage technology to not only close these gaps but also to enhance overall fleet efficiency and safety. By delving into the intricacies of tire maintenance practices, Anyline aims to empower fleet managers with the knowledge and tools necessary to navigate the complexities of modern fleet management, ensuring safer, more efficient, and cost-effective operations. ”

~ Lukas Kinigadner,
CEO & Founder, Anyline



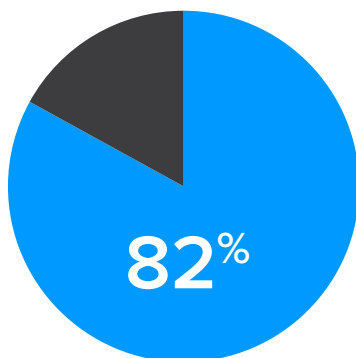
CURRENT TIRE MAINTENANCE PRACTICES: ROUTINE BUT OUTDATED

WEEKLY INSPECTIONS



A majority of those surveyed were diligent in their commitment to regular tire inspections, with **70% of fleets conducting inspections at least weekly.**

HANDHELD GAUGES

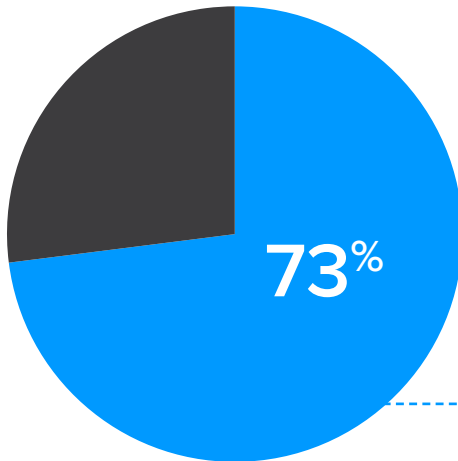


How were most of these inspections performed? Survey data indicates manual methods dominate current practices with **more than 80% of fleets relying on handheld tire gauges and even visual inspections.** These methods are prone to error and subjectivity. This data underscored a significant reliance on manual, analog and potentially inaccurate practices.



BENEFITS OF MODERNIZING FLEET MANAGEMENT PRACTICES

REALIZE IMPORTANCE OF ACCURATE DATA



73% of respondents realize that having accurate data about tire health and performance tires can help fleets predict, plan and schedule tire maintenance before issues occur.

This [proactive approach](#) eliminates unnecessary downtime, improving fleet efficiency and overall profitability.

How much does unplanned downtime due to tire-related issues [cost the average fleet](#)?

According to survey findings, \$3,384 per month. While that is the average, some fleets have as much as \$40,000 in unplanned costs per month, highlighting the critical need for more efficient and modern maintenance practices.

AVERAGE FINDINGS:

\$3,384

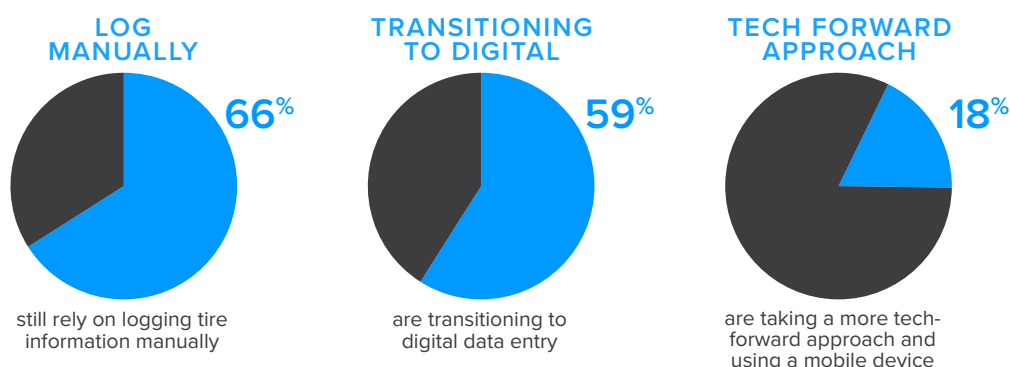
SOME FLEETS HAVE AS MUCH AS:

\$40,000



THE TRANSITION FROM MANUAL TO DIGITAL DATA

While the majority of fleets (74%) are capturing some vehicle information, most are doing so manually. Of fleets capturing this type of information, 66% still rely on handwritten paper logs. Slightly more than half of fleets (59%) who capture vehicle data are transitioning to digital data entry, but the transition appears to be slow. Just 18% are taking a tech-forward approach and using a mobile device to digitally scan vehicle information. This data-driven approach streamlines the process, saving time and reducing errors

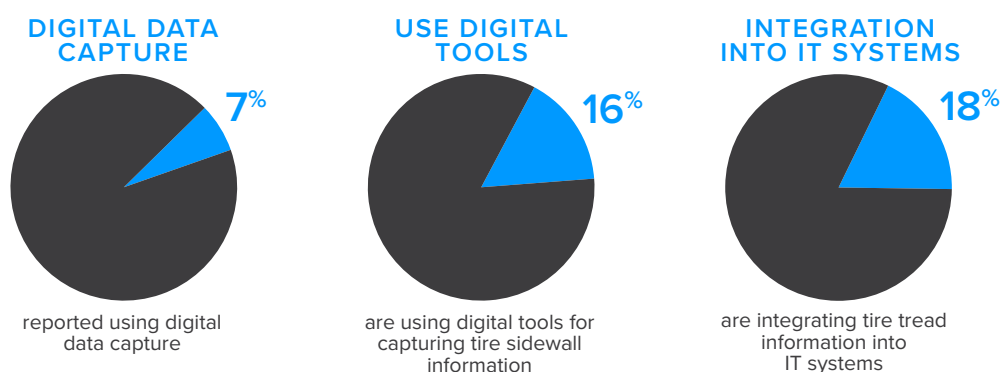


UTILIZING DIGITAL TOOLS IN TIRE HEALTH MANAGEMENT

Measuring tire tread depth is another area where fleets admit they do not rely on technology. Only 7% of survey respondents reported using digital data capture via a smartphone or other camera-enabled device to measure tire tread depth. The majority of fleets still use manual methods like a handheld gauge and visual inspections.

Furthermore, only 16% are using digital tools for capturing tire sidewall information.

There is also limited integration of digital tools in tire health management. Only 18% of respondents are integrating tire tread information into IT systems.



THE PATH FORWARD: HOW DO WE IMPROVE FLEET MAINTENANCE IN THE FUTURE?

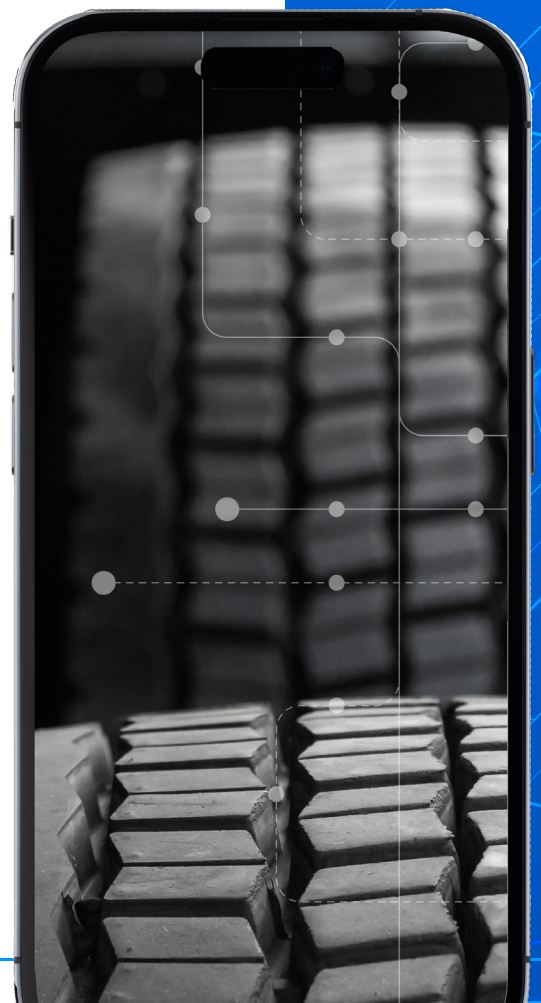
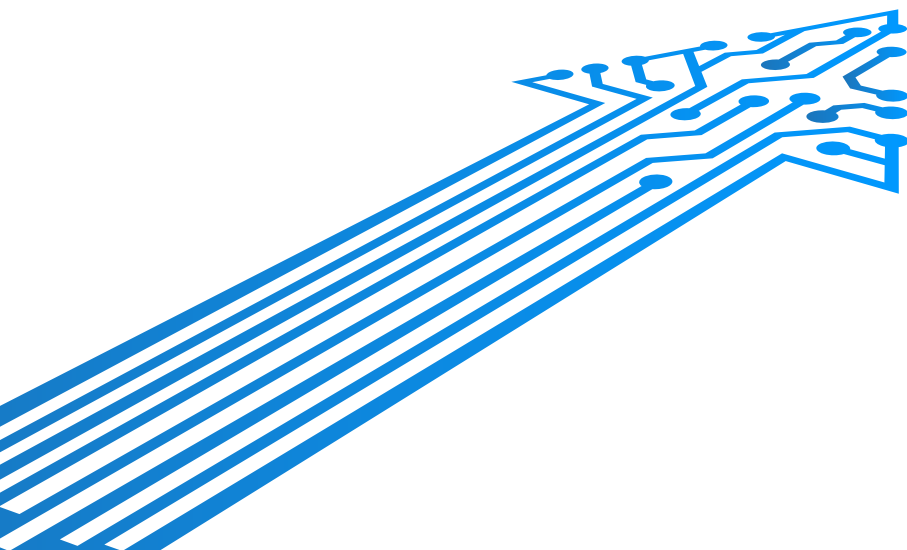
Survey findings indicate the need for modernizing fleet tire management practices. How can this be done? Embracing digital and AI-driven solutions is a start.

In general, using AI technology for tire tread depth measurement offers a more precise, effective, and practical way to check the tire condition and, as a result, gives fleet managers the information they need to make informed and data-driven decisions about tire servicing and replacement.

Technology, like Anyline's can vastly improve safety, reduce downtime, and increase overall efficiency.

By integrating Anyline mobile data capture tools into operations or existing fleet management systems (FMS), fleets can help protect their assets by identifying tire-related issues before emergency events occur and proactively scheduling maintenance. These tools can also help identify recalled tires and ensure proper replacement schedules. Anyline's tire platforms promote fleet safety, drive efficiency, and can improve overall profitability.

Fleet operators have the opportunity to leverage technology to close existing gaps in maintenance practices and enhance overall fleet performance.



REPORT DETAILS

The survey, conducted by Babcox Research February 1-29, 2024, engaged approximately 200 fleet managers and professionals across various industries, providing a comprehensive view of current practices and attitudes toward fleet maintenance and tire management. The survey garnered participation from a diverse range of professionals within the fleet management industry.

The majority of respondents represented businesses in Contract/Common Carrier/General Freight (27%), with others hailing from various sectors (24%), and a smaller portion from Retail/Wholesale/Motor Vehicles/Drive/Tow (9%). The predominant job titles among participants were Owners, CEOs, and Presidents (27%), Fleet Managers (17%), and General/Operational Managers (15%), and Maintenance/Service Managers (15%).

In terms of fleet size, responses were mostly from those managing small to medium fleets, with 21% having one to four vehicles, 18% overseeing 10 to 24 vehicles, and 16% with five to nine vehicles.

Class 8 vehicles emerged as the most common type among respondents' fleets, accounting for 61% of the reported vehicles, indicating a significant focus on heavy-duty trucking within the surveyed group.

ABOUT ANYLINE

Founded in Vienna in 2013, Anyline has established itself as a global leader in mobile data capture and data insights. Using the latest, most innovative artificial intelligence and machine learning approaches, Anyline gives businesses the power to read, measure, and interpret visual information with any mobile device. Anyline's AI-enabled, machine learning technology seamlessly connects the physical with the digital world, capturing critical data in real time. This enables Anyline customers to unlock a wealth of instantaneous insights, embrace datafication, and use data to drive critical business decisions. Anyline helps businesses move away from costly, tedious manual processes and instead makes them easy, fast, and convenient for everyone, from the end user to the frontline worker. Anyline's mobile data capture technology is CCPA/GDPR compliant, ensuring that all data collected is processed and stored securely.

Anyline is trusted by leading Fortune 500 companies and household brands such as PepsiCo, Discount Tire, and IBM, as well as national governments and the United Nations. For more information, visit www.anyline.com.

