

Heavy Equipment Inspection Case Study

The benefits of switching from paper to digital inspections

At a glance

When comparing the paper inspection process to using the FleetNow Inspect™ digital app, the study shows that the app increases productivity and reduces the amount of time equipment remains in the shop.

Time Savings

The amount of time saved by using FleetNow Inspect vs paper inspections can save 10 workdays per year per mechanic.

And, an additional 89 machines can be inspected in the time saved using FleetNow Inspect.

SAVE 10 WORKDAYS PER YEAR PER TECH

INSPECT 89 MORE MACHINES PER YEAR



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THE CHALLENGE

Equipment inspections are a crucial part of daily operations for rental yards that require time, organization, and coordination throughout the service department and rental team. With the industry primarily using paper inspection forms, FleetNow set out to find a solution to save time and make the inspection process easier for rental yards.

THE SOLUTION

FleetNow Inspect has proven to save time when conducting heavy equipment inspections, which resulted in more inspections, reduced equipment downtime, and easier sharing & organizing of reports.



Increase Productivity



Reduce Equipment Downtime



Easy Sharing & Organizing

BENEFITS

1

Increase Productivity

Each mechanic saved 2 minutes 41 seconds per inspection per machine. With 7 inspections / day, the time savings equals 78.26 hours / year (about 10 workdays).

2

Reduce Equipment Downtime

When inspections are finished faster, and repairs and maintenance are easier to manage, equipment has less downtime. FleetNow Inspect streamlines repairs to keep equipment out of the shop and rental-ready.

3

Easy Sharing & Organizing

FleetNow Inspect makes it easy to instantly save and organize reports so they're easy to find, share, and complete - especially when repairs are needed or when buyers want maintenance records before they buy.



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OVERVIEW

In October 2022, FleetNow worked with OHR Rents to conduct a case study on its heavy equipment inspection process to determine how much time and money could be saved by replacing paper-based inspections with digital inspections.

Additional Findings

The consistency of the digital-form layout helped techs find the details they were looking for immediately without needing to search the form to find it.

Using FleetNow Inspect made it easier to:

- Stay on top of any incomplete inspections and on equipment that needed further repair.
- Conduct inspections outside and offsite.
- Share reports with the team.

THE PROCESS

Paper-based inspections:

While every rental yard shop is set up differently, the process for inspecting and getting machines rental-ready typically involves:

- Finding the machine in your yard & moving it to a repair bay
- Gathering paperwork (which can include a repair orders & annual inspections, rental inspections, and any initial inspection paperwork your shop uses)
- Verifying the meter count & when the last inspection was done
- Getting a repair order number as needed
- Following an inspection checklist, and noting what is found
- If there is more than one form to be filled out, transcribing machine information from one form to the next
- Walking paperwork to the front desk

THE STUDY

FleetNow's study measured the amount of time a mechanic could save using digital vs paper-based inspections.

Over the month, mechanics inspected an average of 7 machines per workday. Those inspections required an average of 86 seconds of transcribing - taking note of the machine number from one sheet of paper and putting it on another, for example. Walking to and from a central parts office or the front desk took an average of 68 seconds per inspection.

Management spent 10 minutes 45 seconds a week - or 9.32 hours a year - at the filing cabinets where inspections were stored, looking for completed inspections that needed to be reviewed. Employees at the front desk spent 5 minutes 49 seconds scanning per month, which totals 5+ hours per year.

With 7 inspections per day, that would equal savings of 78.26 hours (about 10 workdays) per year, per mechanic. At an average hourly rate of \$27.50 for your mechanic, that is \$2,152.15 in savings per year, and closer to \$2700 per year when you account for the cost of all employees involved in the process.

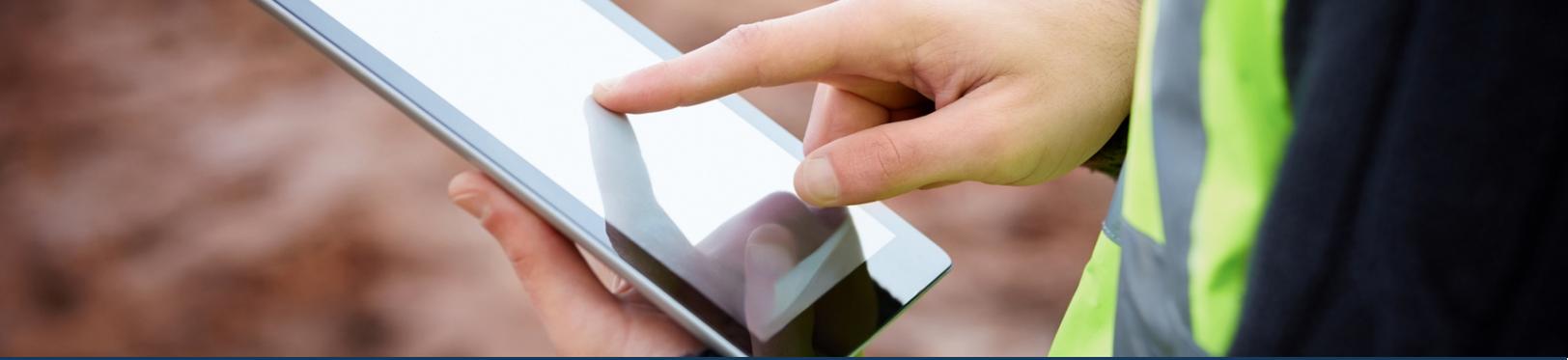
With an average of 52 minutes and 30 seconds per inspection over the course of a workday, each mechanic could inspect 89 additional machines over a year.



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