



INSIGHTS TO HELP YOU BETTER MANAGE ASSETS



Traditionally, sites have used pencil and paper to keep track of information on the majority of their equipment assets. Even if they leverage Production Recording technology to get data on the load / haul cycle, they have lacked access to the same information for non-production machines like water trucks, dozers, graders, drills, light vehicles, etc.

Cat® MineStar Equipment Tracking provides information on these mobile assets, no matter the manufacturer. It tells supervisors what the fleet is doing, who is operating which machine, and how they are utilizing their time.

By replacing paper with accurate recording, supervisors can better understand utilization and make decisions about equipment investments and effectivity. Equipment Tracking provides insights that help mines better manage their assets, and as a result they deliver more value and mines enjoy a lower overall cost of ownership.

Get detailed data on every machine

Equipment Tracking consistently provides a basic level of information on all assets, including data on locations and movements, velocity, payload, cycle times and fuel level, as well as service meter units (SMUs) and time utilization. Supervisors can view scheduled and unscheduled downtime and operational stoppages.

With fuel being one of a site's largest expenses, the ability to visualize and export fueling records is a key benefit of Equipment Tracking. This feature automatically measures fuel events — from when the machine was fueled to what was put in the tank and how long fueling took — allowing operations to manage the efficiencies of their fueling processes and fuel consumptions. It reduces or eliminates errors because data is collected automatically.

FEATURES & BENEFITS

- Automatically and continuously gathers data from all assets, eliminating manual input and incorrect entries.
- Delivers high-accuracy data recording, reducing downstream errors when the position is referenced for automatic collection of information.
- Allows sites to replay shifts in great detail, providing information for incident and material tracking investigations.
- Records the time that equipment is available, down, operating or stopped due to a non-operating activity, providing accurate KPIs for use in time utilization models and leading to increased productivity and production.
- Automatically measures time when the equipment is not being productive and will attempt to classify with a machine-learning approach, reducing or eliminating missed or incorrect time measuring and giving operations information they can use to measure and manage their processes.
- Helps sites measure and manage equipment downtime and classify it as scheduled or unscheduled, providing a key indication of the effectiveness of the site's maintenance and reliability programs.
- Allows operations to better manage and measure equipment operators, including allocating them to machines and tracking performance, and provides operators with KPIs about their personal performance to help them improve.





MineStar home screen.



“What excites me about the future is MineStar reduces my workload from a paperwork standpoint. This system allows us to make everything paperless and simple and automated so that we don’t have people stuck in offices looking through timecards every single day anymore.”

— Brady Baxter, Mine Engineer, Rasmussen Valley Mine

“MineStar is ideal for mines that are just getting started with technology. Your initial investment is significantly less and your opportunity for ROI is much higher as well. Especially those that have been running on pen and paper for so many years.”

— Tyler Simmons, Industry Solutions Manager, Western States Cat



For more information, go to cat.com/minestar or contact your local dealer.

