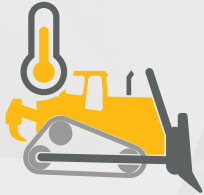


IS IDLE TIME DRAINING YOUR FUEL TANK AND PROFITS?

FIVE THINGS YOU SHOULD BE MONITORING TODAY

Idle time is sneaky. It can be hard to see when normal work routines begin to generate excessive idle time that costs you money in increased fuel costs, reduced machine component life and wasted warranty hours. Here are five things to monitor with Cat® MineStar™ to help keep idle time under control.



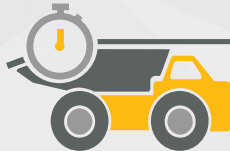
RESTRICT WARM UPS TO 3-5 MINUTES

Warm ups don't have to take long. It's better to get your equipment moving in just a few minutes to maximize productivity and fuel efficiency.



TURN OFF EQUIPMENT ON BREAKS

Operators like to keep the cab warm or cool on breaks, which can add hours to your idle time total. Using Cat Fleet to minimize downtime during shift changes—along with targeted training to help change operator behavior—can significantly reduce accumulated downtime across your operation.



SHUT DOWN TRUCKS THAT WAIT FOR 5 MINUTES

If a truck will be waiting five minutes or more, shut it down. Better yet, use Cat Fleet to optimize truck assignments to reduce queuing at loaders and fuel stations.



LIMIT IDLE TIME AT SHUT DOWN TO 2 MINUTES OR LESS

Older engines need to idle for only about two minutes before being shut down. New engines can be shut off almost immediately.



USE AUTO SHUTDOWN WHEN POSSIBLE

Auto shutdown features let you control when machines can be kept running for extended periods and when they should be shut off automatically.

HOW MUCH IS IDLE TIME COSTING YOU?

If not properly managed, idle time can easily add up to as much as 40-50% of a machine's total running time. At a gallon of fuel for every hour a machine idles, the costs of excess idle time can add up quickly. How do they add up for your operation?

20% IDLE TIME = 400 HRS/YR x FUEL COST PER GALLON = \$ _____ /YR/MACHINE

30% IDLE TIME = 600 HRS/YR x FUEL COST PER GALLON = \$ _____ /YR/MACHINE

40% IDLE TIME = 800 HRS/YR x FUEL COST PER GALLON = \$ _____ /YR/MACHINE

KICK YOUR OPERATION INTO HIGH GEAR

Cat MineStar can help you maximize the life of your equipment and get more value from every machine on your mine site. Want to learn more? [Click here.](#)

Want to learn how Cat MineStar can help you weather the storm of today's cost constraints and limited-revenue challenges? [Watch this in-depth video.](#)