



VIMS™ GUARDIAN SYSTEM

Your Cat® Equipment Has Something to Tell You.



ARE YOU LISTENING?



Cat® VIMS™ Guardian System Gathers Data, Delivers Information, Aids Decision Making



The electronic sensors and control systems on your machine generate data while you work, hundreds of signals every hour of every shift, each an indication of machine performance and health. You've had limited access to a small portion of this data in the past. But today there's a way to retrieve much more of it—and put it in a format that will help you make better business decisions.

It's the VIMS™ Guardian System, and it's available for retrofit on specific models of Cat® motor graders and large track-type tractors. New models are constantly being added, so see your Cat Dealer for the latest update.

Alert and Vigilant, Always on Duty

Imagine a team of maintenance and service experts assigned to your machine 24/7. They monitor key components and systems, collect critical data, and deliver it to you in a useful format so you know more about your machine's past, present and future performance.

That's what it's like to have the VIMS Guardian System on the job. A comprehensive, integrated system, it captures crucial data from checkpoints around the machine. The data can be transmitted wirelessly or downloaded to a PC, where it's analyzed and transformed into clear, relevant business information that you can use to manage your equipment investment.

Proven Tools, Powerful Capabilities

This powerful tool was created by developers of the VIMS System, a best-in-class production and health system proven on large Cat off-highway trucks and wheel loaders. While the Guardian product does not include the VIMS System payload monitoring component or operator display, it includes all other VIMS System features.

- Event List records events and abnormalities that occur during operation. It puts each event into context, identifying when it occurred, how long it lasted, which component or system was affected, which operator was involved and how serious the situation was (Category I, II or III).

- Event Recorder activates automatically when a predefined Category III event happens. It takes a "snapshot" of the situation, capturing detailed data five minutes before and one minute after the event.
- Trend files display minimum, maximum and average values for specific parameters, providing insight into how conditions change over time.
- Histogram files present data in a bar-graph format—for example, showing the percentage of time an engine operates at different temperature ranges.
- Cumulative files provide totals—time in each transmission gear, number of gear shifts and more.
- Data Logger captures input from each checkpoint, once per second for 30 minutes, providing a record you can use to predict and prevent a future problem or troubleshoot an existing one.

Collectively, these features give you the power to:

- Identify potential problems and resolve them early
- Establish a proactive maintenance schedule
- Develop and manage a before-failure repair plan
- Diagnose known problems quickly and accurately
- Increase uptime
- Reduce maintenance and service costs
- Extend component life
- Get maximum value from your Cat machine investment

Are You Listening?

Your machine is trying to tell you something—about its past, its present and its future. Will you ignore the data or use it to run a more profitable operation?

See your Cat Dealer today and find out how you can capitalize on the power of the VIMS Guardian System.

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