

A GROUND- BREAKING INNOVATION IN REMOTE ENGINE MONITORING

PrevenTech®

FOR
A WORLD
THAT'S
ALWAYS ON™



BIG ENGINES POWER YOUR OPERATIONS IT'S TIME FOR BIG DATA TO OPTIMIZE THEM

With Cummins engines in your mining equipment, legendary dependability is built in.

With PrevenTech®, equipment becomes smarter, more sustainable and more efficient than ever.

PrevenTech is Cummins unique digital technology. Every moment of every day, PrevenTech® evaluates the performance of every connected engine and securely transmits the insights (via 4G or WiFi), advising on problems, both urgent and the ones coming down the track. Service recommendations are prioritized based on urgency, based on a wide range of engine parameters.

This is control like you've never had before. You can foresee issues earlier, cut your costs, eliminate surprises and take your uptime to new levels.

It's not just a big step forward. **It's groundbreaking.**

WHAT'S NEW?



**CUSTOM
FAULT CODE
MANAGEMENT**



**ADDITIONAL
ADVANCED
ANALYTICS**



**CUSTOMER
REPORTING**



PREVENTECH FEATURES ARE POWERFUL

EQUIPMENT MAP

A global positioning system of your equipment locations, color-coded to show problematic assets according to issue severity, at-a-glance.

RANKED NOTIFICATIONS

Prioritized according to severity, so your maintenance is focused on the right places.

REAL TIME ENGINE DATA LOG

Live equipment information to monitor multiple performance metrics simultaneously.

DATA GRAPHING

Visually charts engine parameter behaviors across time and different equipment so you can easily map and analyze them.

FAULT CODE MANAGEMENT

Customize fault code severity and notification suppression based on your fleet and your preferences.



EQUIPMENT HISTORY

Shows trends normally missed by logging and recording historical equipment alert data.

INTEGRATED FLEETGUARDFIT™ PROGNOSTICS

So you know the truth about engine oil and filter life.

ASSISTED MONITORING

If you want it, get 24/7 global equipment monitoring from Cummins Care with personalized service recommendations.

EASY TO USE WEB-BASED INTERFACE

Your clear, simple equipment dashboard.

ENHANCED DATA ENCRYPTION

Transfer and store your data with security and confidence.

Available via 4G cellular or Wi-Fi connectivity based on your site and operations.

Wi-Fi® is a registered trademark of the Wi-Fi Alliance.

USE GLOBAL DATA TO IMPROVE HOW YOU WORK

Cummins experts monitor engines around the clock and around the globe. Our **Comprehensive Fault Analysis** is based on knowledge gathered globally from thousands of connected engines – and shows you what you need to know in **Customized Alerts and Reports** specific to your operation. Have specific preferences for how data works harder for you? Take it a step further through **Fault Code Management**, ensuring you're closely monitoring what's most important to you.

BRING DOWN COSTS BY EXTENDING MAINTENANCE INTERVALS

Cummins PrevenTech® includes FleetguardFIT™, an innovation in filter and fluid monitoring. The system sends **advanced warnings of pending filtration issues**, allowing time to plan. A second warning follows if the situation gets urgent. You can **see filter condition and fluid flows in real time**, so you know how the air, oil and fuel filters are performing. The engine oil sensor monitors oil condition, so you can find small issues fast between oil sampling. Some customers have **extended their filter changes by 4x or more** while keeping engines fully protected.





IMPROVE PRODUCTIVITY BY TRACKING OPERATOR PERFORMANCE

Operator-related problems can be hard to spot. With PrevenTech®, they become clear. Running an unwarmed engine at rated speed, extended idle times, excessive cranking, not enough engine cooldown – **if it's happening, you'll know.**

STOP THE DAMAGE DOMINO EFFECT

It happens. The failure of one component causes damage to another, leading to a costly failure. Use PrevenTech® as an early warning system **to increase mechanical reliability** by detecting deviations in engine parameters and acting before a failure. **Continuously improve your operations** with advanced analytics that predict engine anomalies based on feedback from thousands of engines worldwide. And use PrevenTech® to verify that issues has been addressed.

MEET YOUR SUSTAINABILITY TARGETS

Maintaining profitability on tighter margins and with ever tighter environmental targets isn't easy. But PrevenTech® can help you achieve your goals. Reducing failures and catching maintenance issues early means using less components making equipment last longer and run more efficiently, contributing to lower emissions and improving air quality. It also allows you to safely extend service intervals and use fewer consumables.

PLANET 2050 OUR COMMITMENT TO SUSTAINABILITY

We're playing our part with real targets and real actions to achieve them.

Find out more at www.cummins.com.





WE PROVIDE THE SERVICE. YOU CHOOSE HOW.

Whatever level of support you need, there's a PrevenTech® solution for you.

Feature	Base	Premium
Data Encryption	•	•
Equipment Map & GPS Location	•	•
FleetguardFIT Diagnostics Alert Recommendations	•	•
Alert History	•	•
Engine Data Log and Export	•	•
Self-Monitoring	•	•
Custom Fault Code Management	•	•
Fault Code Notification with System Generated Recommendations	•	
Fault Code Notification with Personalized Recommendations through Cummins Care		•
Customer Alert Creation & Notification		•
Graphing		•
Cummins Care Expert 24/7 Service		•
Cummins Proprietary Data Driven Advanced Analytics		•
FleetguardFIT Prognostics Alert Recommendations		•
Periodic Fleet Health Reports		•



THIS IS GROUNDBREAKING. LET'S TALK.

What can PrevenTech do for you? Contact your local Cummins distributor and see how big data makes a big difference.

24/7 SUPPORT, THE CUMMINS WAY

Wherever you are, expert help is always just a click or a phone call away.



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