Optimum Fleet Health: VRx

What is VRx?

OPTIMUM'S VRx Predictive Maintenance solution identifies and alerts maintenance management to emerging and unforeseen issues that ultimately leads to vehicle component failure, before it results in unplanned repair and unscheduled downtime. Maintenance managers can proactively monitor the health of their fleet assets and intervene before the asset goes down.

What would it mean to your maintenance organization if you could predict system failures or quality issues before they happen? Long before a vehicle system fault is activated, Optimum's VRx Predictive Maintenance Solution alerts maintenance management to emerging and unforeseen problems that ultimately lead to vehicle component failure. Maintenance managers can proactively monitor the health of their fleet assets and intervene before they require unplanned repair and unscheduled downtime. VRx incorporates highly sophisticated AI (Artificial Intelligence) machine learning techniques which we call "Enginetics"

VRx is a real-time Map Based solution which provides an **at-a-glance** health status of your entire fleet. The system predicts emerging issues for all major vehicle components including Engine, Exhaust, Electrical, Brakes, Coolant, Fuel and Transmission. More importantly, VRx provides a maintenance prescription (how-to-fix) solution for each issue helping to reduce diagnostics time by as much as 85%. The system is completely visual, and includes a comprehensive dashboard, timelines for historical maintenance analysis, a fleet readiness status along with comprehensive up to the minute time-stamped reports detailing each vehicle issue by color coded severity. Alerts are automatically sent to authorized personnel via email or text.All reports can be viewed online, by email, or through other web services. VRx can be used stand-a-lone, or can be easily integrated into your current work order management system. The system is visually appealing

and extremely user friendly. More importantly, VRx is completely turn-key, and can be fully operational in less than five minutes.

Simply put; **VRX Diagnoses** the cause, **Predicts** time to Failure, and **Prescribes** a detailed fix including time to failure, vehicle component, where, when and how to resolve.

How far in advance can VRx predict component failure or breakdowns?

Typically it can predict around 3 to 4 weeks in advance.

I am currently using an OEM diagnostics solution. Why Is VRx different?

OEM diagnostic solutions are generally referred to as "reliability based maintenance" and focuses primarily on detecting engine fault occurrences triggering an engine warning light. This discovery is usually too late, as Vehicle health has been compromised with unnecessary and often irreversible damage. This leads to no remedy other than taking the vehicle out of service to replace what's broken. The result is unscheduled maintenance events, and a higher cost of repair due to unplanned downtime.

Alternatively, VRx diagnoses issues across all Diesel engine brands weeks in advance before any engine fault light is even activated. VRx's predictive capability allows vehicles to be scheduled in advance of any catastrophic breakdown which helps reduce costs and Out-of-Service disruption. More importantly, VRx predicts relative time to failure not just for engines, but across all major vehicle components including brakes, exhaust, electrical, coolant and fuel.