EPS 100

The EPS 1000 (Engine Protection System) is our flagship engine protection monitoring product. The main objective of the EPS 1000 is to provide a nuisance free, reliable engine protection system. Diagnostics and preventative maintenance information from the engine allows for an early warning and safe engine shutdown on faulty conditions, thereby significantly reducing costs and reducing machine downtime.

Since its launch in early 1997, more than 3000 units have already been installed at several mining groups on their Dumpers/ Excavators/ Loaders and Graders.

Features

- Micro Processor Technology monitors engine/ Transmission/ Electrical and other conditions
- Engine hours/ Service Scheduler/ Automatic self-test/ Multi-choice user settings
- Secure, safe engine shutdown or warning on fault conditions, preventing any further damage to engine components
- On site setup to user preference – no manual adjustment
- Customized configuration by our expert teams ensures optimal performance and benefits
- On board non-voltage memory records last 128 events
- Event log directly retrievable
- Units are driver coded so negligence is traceable
- Audible and visual operator warnings
- Conditions are displayed continuously and in real time
- Tamper proof
- Vehicle restart via a secure manager code ensuring fault reporting
- All data is stored in a pre-configuration loop of 1,2,4,8 and 16 hrs
- Information can be graphically displayed, printed and filed for detailed analysis using Microsoft Windows and NAE proprietary software
- System can be installed into any vehicle, making it highly versatile and hassle free
- Robust/ Waterproof/ Vibration proof. This self-contained unit is perfectly suited to multiple conditions and applications

Monitors

- All-important Engine/ Transmission/ Electrical and user definable conditions
- Monitors up to 11 critical conditions
- Oil Pressure (mapped to RPM)
- Coolant Temperature
- Low Coolant Level
- Transmission Temperature
- Hydraulic Oil Temperature
- Low Fuel Level
- Battery Voltage (low & high)
- Alternator
- Engine Speed (over & under speed)
- Engine Hours
- Service Schedule