



EPS1300 Engine Protection System

- The EPS 1300 (Engine Protection System) is our flagship engine protection monitoring product. The main objective of the EPS 1300 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 repair costs and reducing machine downtime.
- The EPS 1300 is a robust, waterproof, vibration-proof, self-contained unit that monitors up to 11 conditions and shuts the engine down if a fault condition occurs.
- The unit will not allow an engine restart until the fault has been rectified, and a security pass code has been entered.
- A fault condition can either issue a warning or stop the engine.
- Since its launch in early 1997, more than 9000 units have already been installed at several mining groups - on their Dumpers, Dozers, Excavators, Loaders, Graders and water pumps.
- Substantial cost savings
- The benefits of the EPS monitoring system is driven by a mindset that appreciates the value of information that is given by the EPS monitoring control unit. This eliminates failures due to minor events that occur which can become major breakdowns, incurring massive losses due to engine failures and production losses.
- All role players in the mix, i.e. Managers, Engineers, Foremen, Technicians etc, must adopt a policy of adhering to the simple information/alerts notifications from the EPS control unit and track down the root cause of the information given, in order to control the losses that will arise if not reacted to.

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