



Advanced Marine Solutions

"We built on your vessel's seaworthiness
everyday"

Engine Monitoring System

EMS is an advanced cylinder pressure and acoustic emissions based monitoring system. The system incorporates sensors and flywheel pickups of ultimate quality and accuracy. It is designed for use on all types of two or four stroke slow, medium or high speed engines (even V-type engines).

EMS turns any PC into a Diesel Engine Combustion Analyzer allowing real time engine measurement and tuning. Our Monitoring systems can be used to monitor as many diesel engines that may exist onboard a vessel. It runs under any Windows including 2000, XP & Newer.

Beneficial Advantages of our System

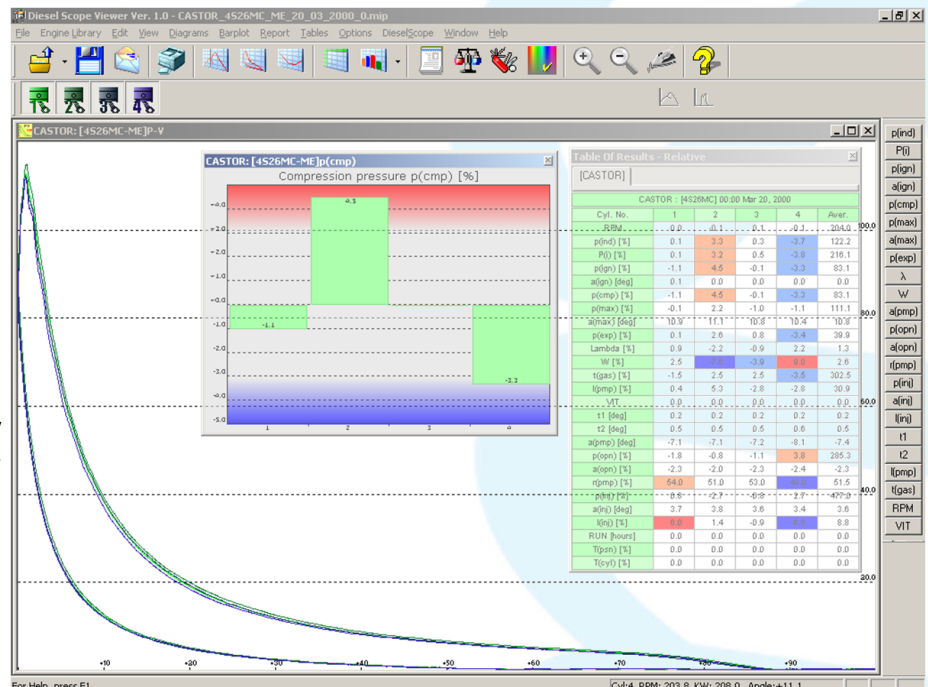
- Protects from Costly Downtime.
- A Single Operator can run the Entire System.
- Real Time Engine Tuning.
- Cost Savings on Parts and Labor. Replacement of parts is based on need and not on time intervals.
- Engine Efficiency is increased by the use of thorough Information and Evaluation of your Engine's Timing incorporating the Performance of you Fuel Pumps and Injectors.
- Balances Output, Extends Engine Life and Increases performance.
- Assists in reducing Emissions to be Environmentally Compliant.
- Small Measurement Files for quick transfer to home office via e-mail
- Comprehensive Technical Support

Available Configurations

- Multisensor 24h monitoring
- One sensor hardwired system
- Laptop version
- Portable handheld version

Performance Data

- P - A, P - V, Light - Spring Diagrams
- P(i), p(ind), p(ign), p(comp), p(max), p(exp)
- RPM, A(ign), A(max),
- Lambda, W, ℓ , VIT, a(pmp), a(opn), a(inj), l(ing)



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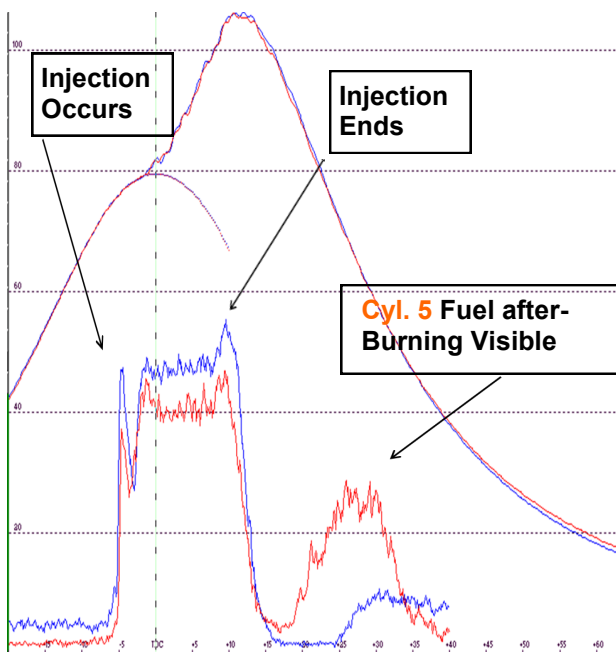
• info@amarsolutions.gr • www.amarsolutions.gr •

Fuel Injection Acoustic Emissions Sensor with EMS

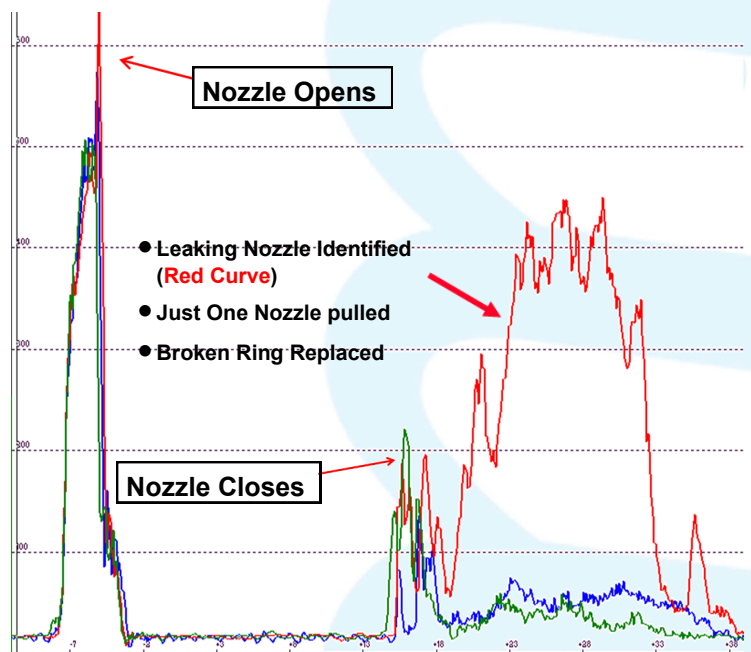
- **No penetration** into the fuel system eliminates possible fuel leakage
- **Latest Technology** in Acoustic Emissions
- **Unique** to the Market
- Applicable to both **2-stroke** and **4-stroke** Engines
- **Extended Life** Cycle as compared to pressure sensors



AE Sensor on Cylinder Head



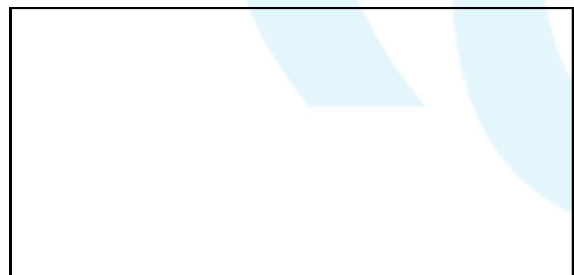
AE Sensor on Injection Nozzle



Value Added Services

- Vessel Performance Monitoring
- Engine Performance Evaluations
- Technical Support at Office Level
- Commissioning around the Globe

Exclusive Agents :



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