

AFTERMARKET SOLUTION
VOLVO PENTA
REFERENCE CASE

Advanced engine diagnostics made easy with handheld and user-friendly VODIA.

VODIA enables precise engine diagnostics in less than one minute. The speedy troubleshooting results in increased efficiency at Volvo Penta's service workshops – and reduced downtime for its customers.

Volvo Penta engines are used in a wide range of applications: in leisure boats and commercial vessels, for electricity generation and in a number of industrial off-road applications.

In order to facilitate repair and maintenance operations for Volvo Penta service technicians all over the world, Volvo IT has developed the Volvo Diagnosis Application – VODIA – a user-friendly, highly portable tool.

Computers part of the toolbox

Modern diesel engines are equipped with advanced electronic management systems which continuously monitor and gather data from sensors in the engine in order to optimise engine performance.

However, the old spanner is not good enough for repairing and maintaining an engine equipped with sophisticated electronics. Instead, mechanics rely on computers to track problems and adjust engine settings.



From laptop to PDA

Computer-based diagnostics is nothing new. However, with VODIA, engine mechanics can leave their laptop in the office and just carry a standard Pocket PC instead.

ATION TECHNOLOGY

The VODIA iPAQ is inexpensive and small enough to fit in a jacket pocket, but it has great capacity – in addition to the diagnostic software, Outlook and other Windows-compatible programs can also be run on it.

Every function at your fingertips

Navigation between program functions takes place by tapping the screen. Together with a carefully designed user interface, this makes using VODIA very straightforward.

Rapidly developed software

VODIA software is a comprehensive, advanced tool for engine diagnosis and programming, based on VCADS Pro (Volvo Computer Aided Diagnostic System Professional).

VODIA was developed by Volvo IT in less than a year.

Complete scan in less than a minute

VODIA can be easily connected to the engine using a cable. It takes less than a minute to scan the engine, access the complete history of engine operation and identify any source of defect. According to Trygve Oleniusson, service technician at Volvo Penta, the new level of efficiency makes a big difference to any workshop.

“It saves hours. I can now see immediately if I need to check the cooling system or the fuel system, for example. VODIA tells you exactly what is wrong – the sensor, the reversing gear or fuel pressure. It always works,” says Trygve Oleniusson.

Imported and processed information is stored in a Word document to maximise compatibility.

Online support service

Mechanics and servicemen who need technical support from Volvo Penta technicians can upload the retrieved engine diagnostic information from VODIA to a Volvo Penta website.

VODIA in a nutshell

- Portable engine diagnostics and service tool
- Handheld computer with touch screen
- Windows-based software for troubleshooting, parameter programming and tests
- VODIA is administered by Volvo IT and owned by Volvo Parts

VOLVO

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