

**A "blood test"
for engines,
transmissions,
gearboxes.**

METALCHECK™ On-Site Analyzer



Diagnostic Genius...

MetalCheck™ brings the respected science of oil analysis to your site. It's affordable, accurate, and easy to use.

Every major automaker uses oil analysis for power train development. Top race engine builders use it. The railroad, mining, aviation and marine industries all rely on it. Now you can have this incredibly valuable tool at your fingertips. Whether you're servicing equipment or performing development and test, you need to know now about the condition of the hardware. MetalCheck™ will let you accurately see problems without disassembly. Oil analysis has been available from contract laboratories for years, but you can't afford to wait two or more days to get answers.

MetalCheck™ tells you right away where problems are occurring, often before they become catastrophic. From just a two ounce sample of oil easily obtained through the dipstick tube or from drained oil, MetalCheck™ tells you the concentrations of a full array of important wear metals that are the key indicators of engine, transmission and gearbox health.

MetalCheck™ also provides earliest detection of coolant leaks by measuring the presence of universally used coolant tracer additives. This helps you to spot blown head gaskets, leaking manifold gaskets, cracked blocks and more.

You don't need a degree in metallurgy to make the most of MetalCheck's™ diagnostic power. The results of each test are evaluated by MetalCheck's™ vast database of make and model information to instantly interpret the results and suggest what needs to be done. These results are displayed in plain language right on the report that you can hand to a customer.

In 5 minutes you'll know where trouble is hiding.

• **Learn to use
in minutes.**

• **Simple-to-
follow screen
prompts.**

• **Very low
maintenance.**

**Get fast,
dependable
diagnosis
on-site.**

MetalCheck™ Technical Specifications

- **Metals Measured:**

Basic Configuration: Fe, Cr, Pb, Cu, Sn, Al, Mo, Si, Na, K

Optional Extended Metals: Ni, Ti, Mn, V, B, Mg, Ca, Ba, P, Zn

- **Software: Operating System:** MS Windows 2000 Professional.
- **Database Application:** MS SQL 2000.
- **Utilities: Antivirus & Utilities:** Norton Systems (One year prepaid).
- **Data Export File Format:** XML, CSV.

- **Network Facilities:** Intel® PRO/100 LAN connection.
- **Printer Output:** Centronics parallel port or USB.
- **User Interface:** Keyboard, touch screen, PS2 mouse input.
- **Measurable Viscosity Range:** 0.0 cSt to 209 cSt @ 40°C (209cSt = ISO 220.)
- **Sample Bottle:** 2 fluid ounce HDPE (50 ml.)
- **Minimum Sample Volume:** 1.0 fluid ounce (28 ml.)

- **Operating Environment:** 50°F to 100°F (10°C to 38°C) @ <90% relative humidity.
- **Power Requirements (Most specify factory configuration):**
120 VAC, 50/60 Hz, 5 amps / 240 VAC, 50/60 HZ, 3 amps

- **Dimensions:** 22 in.H x 20 in. W x 15 in. D (56 cm H x 51 cm W x 38 cm D)
- **Weight:** 61 lbs. (27.7 Kg)

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