

FLUID MONITORING PRODUCT GUIDE



THE LEADER IN OIL AND FUEL ANALYSIS



AUTOMOTIVE ANALYSIS

Automotive analysis is the industry-approved method for monitoring all mobile equipment.
Applications: Buses, earthmoving units, cars, bakkies, forklifts, generator sets.

The test profile includes wear metals, contaminants, additives, lubricant condition and written interpretation.



INDUSTRIAL ANALYSIS

Industrial analysis is for non-mobile industrial plant.
Applications: Industrial gearboxes, hydraulic systems, bearings.

Analysis of wear metals, contaminants, additives and lubricant condition with written interpretation.



MARINE ANALYSIS

Marine analysis is used for all marine vessels.
Applications: Ship engines, hydraulics, gearboxes.

The test profile includes wear metals, contaminants, additives and lubricant condition PLUS Total Base Number (TBN) on engine samples.



COOLANT ANALYSIS

Coolant analysis is for monitoring radiator fluid.
Application: Radiator coolant.



DIESEL ANALYSIS

Diesel analysis is for the regular monitoring of diesel fuel.
Application: Diesel fuel.

The test profile includes density, viscosity, flashpoint and contaminants.



TURBINE/COMPRESSOR ANALYSIS

Turbine/compressor analysis is for the specialised testing of all refrigeration, air-conditioning, gas compressors and turbines.
Applications: Turbines, refrigeration, compressors, air conditioning systems, transport refrigeration.



TRANSFORMER ANALYSIS

Transformer analysis is for the regular testing of all types of transformers.
Application: Transformers.

The test profile includes DGA, water, KV and TAN.



FILTER ANALYSIS

Filter analysis 'Don't throw away the evidence', cut the filter open and send the filter folds for microscopic analysis.



PACKAGING

Analysis kits are available in boxes containing 10 or 20 bottles. They can be mailed to WearCheck at any post office in South Africa using prepaid stickers bearing the return address. They can also be delivered to WearCheck facilities either via courier or by yourself.



AIRCRAFT ANALYSIS

Aircraft kits are sold individually.
Applications: Engines, rotor gearboxes, hydraulic systems.

Oil analysis coupled with wear debris analysis is an internationally accepted technique for reducing maintenance costs, detecting abnormal wear and improving safety in the aviation industry. WearCheck is accredited by Honeywell and is approved by the Civil Aviation Authority (CAA).

- WG1 - for Honeywell (Garrett) TPE331-14 HR/GR engines on jet stream J41 aircraft. Contains replacement filter.
- WG2 - for turbine and piston engines, hydraulics and helicopter rotor gearboxes.
- WG3 - for Honeywell (Garrett) TPE331-1 through to 14 engines. Contains replacement filter.
- WG7 - for Honeywell (Garrett) TFE731 engines. Contains replacement filter, filter bowl o-ring and overnight speed bag.



EXTRA TESTS

WearCheck also offers extra or add-on tests:

- In-depth wear debris analysis – a secondary analysis to identify the type of wear and its possible cause.
- Total Base Number (TBN)
- Total Acid Number (TAN)
- Viscosity @ 100°C



OIL SAMPLING DEVICES AND ACCESSORIES

- Sample extraction pumps (including rinse bottle) are used to take oil samples from all types of equipment. The pumps are available with either engine (6.35mm) or gearbox (8mm) tubing.
- Replacement/rinse bottles are available individually.
- 50 ml and 100 ml plastic bottles are available in units of 25 per box and are used for many in-house applications. These bottles are not returned to WearCheck for analysis.
- WearCheck supplies a range of quick couplers and sample valves which simplify the sampling process on pressurised systems.



EXTRAS

WearCheck stocks a range of products to make your sampling quick and easy:

- Speed bags - for sending samples overnight from any South African post office.
- Filter cutters - for easy opening or cutting of all spin-on filter types.
- Maintenance planner chart - a user-friendly, wall-mounted chart for listing and monitoring the servicing of machines.
- WearCheck toolbox - a durable plastic toolbox for carrying all your sampling equipment.
- Troubleshooting and sampling technique charts - wall-mounted, educational posters for workshops.

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