



FLUID MONITORING PRODUCT GUIDE

THE LEADERS IN OIL 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.



PACKAGING

Analysis kits are packed in boxes of 10 or 20 bottles per box.

- The boxes of 10 contain pre-paid, pre-addressed mailing tubes which can be posted individually at any post office in South Africa.
- The boxes of 20 are suitable for delivery by a courier company or yourself to our facilities. They can also be used in conjunction with our overnight speed bag which holds up to 10 samples.



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.



ADDITIONAL ANALYSIS

Wearcheck offers a variety of additional analysis kits:



- **Coolant analysis:** for monitoring radiator fluid.
Application: Radiator coolant.



- **Diesel analysis:** for regular monitoring of diesel fuel.
Application: Diesel fuel.



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



- **Transformer analysis:** for regular testing of all types of transformers.
Application: Transformers.

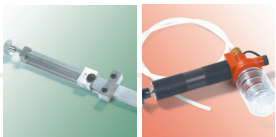
- **Filter analysis:** 'Don't throw away the evidence', cut filter open and send filter folds for microscopic analysis.



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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