

ON-SITE LABORATORIES



On-Site Laboratories

In a bid to overcome the lack of infrastructure in certain mining hotspots in Africa, WearCheck supplies world-class oil analysis services to support industrial operations in those areas by creating mobile laboratories in converted shipping containers and placing them on-site.

The portable laboratories are put together at the company's head office in Pinetown, South Africa and have every available safety feature such as ventilation and air extraction systems, fire prevention and more. Each lab is fully-equipped with the latest laboratory instruments and technology, and even has an uninterrupted power supply, air conditioning and burglar bars. As industry needs evolve, the mobile labs undergo constant redesigning.

The laboratory instruments and movable components are carefully packed to avoid disturbance during transport and the container is despatched either by road or by sea, depending on its destination.

The company's aim is to make world class condition monitoring services as accessible as possible to operations on the African continent. The extraordinary functionality of the container labs eliminates the need for the customer to supply the services for basic infrastructure such as a building, electricity, internet signal, security and safety features. With these hurdles out of the way, WearCheck then places the designer lab within convenient reach of mining operations.

Once the mobile lab is on-site, a WearCheck technician travels to the location to set up the laboratory and calibrate the instruments. Generally, a local lab manager undergoes training in an existing lab and then takes over the reins of the mobile lab along with the necessary technicians. In some cases, the customer manages the laboratory independently.

Offering a wide range of condition monitoring services for the mining sector - including oil analysis, coolant testing, diesel testing and 24 hour sample turnaround time – the mobile labs are also available for use by other industries, such as quarrying, industrial, power generation, transport and shipping operations.

To date, WearCheck has supplied seven container laboratories on-site around Africa, and these are operating successfully in Lumwana (Zambia), Ghana, Mozambique, DRC, Mauritania, Namibia and Burkina Faso. WearCheck operates an additional 16 full-sized laboratories in buildings, in nine countries around Africa.



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