



CASE STUDY: MACKELLAR GROUP HAS IMPLEMENTED SAFEGAUGE PRODUCTS ACROSS ITS OPERATIONS TO IMPROVE SAFETY AND INCREASE EFFICIENCY.

Mackellar Group has a long history in the mining sector. Since its inception in 1966, the company has seen its fair share of safety products come and go, but none have stood the test of time like the range from SafeGauge. **Mackellar Group's Managing Director, Stuart Arndell**, talks us through this case study.



LOCATION: QLD, Australia
YEAR: 2023
APPLIC.: ELW
SOLUTION: SafeTest Range of Products (PT& DI Series)

THE CLIENT

Mackellar Group, a leading mining company, has a long-standing commitment to safety and operational excellence. To further enhance their safety measures, MacKellar decided to explore the solutions offered by SafeGauge.

They first met with the SafeGauge team in February 2023, at their Head Office in Nambour and were so impressed they purchased the tooling immediately.

The SafeGauge equipment was promptly sent to MacKellar's Middlemount and Carmichael sites in early March and use of dial indicators and pressure test kits began immediately.

Maintenance fitters at both sites were very impressed with the SafeGauge tooling, which increased efficiency and reduced the time to perform these tasks.



SafeTest MultiTool

ISSUES ON SITE

“Without SafeGauge’s products, our workers would be in the line of fire. The SafeGauge products allow us to get our people right out from in front of the machines; without them, there’s a chance of them getting injured or burned.”

“When the machines are running, there’s a lot of high pressure and hot oil around, which are obviously quite dangerous. With SafeGauge products, operators can go and sit up in the cab of the machine and are completely away from the source.”

“MacKellar uses SafeGauge products across its dump trucks, dozers and excavators.”

“The remote tools that monitor hydraulic pressure were particularly handy on the excavators. Without them, our teams would be stationed literally under the machines while they checked them and if something moved, it would be a horrible end to that story.”



SafeTest PT6 Kit



THE SOLUTION

The SafeGauge live-testing products that MacKellar has adopted include the six-channel pressure test gauge and the four-channel dial indicator testing kit.

The SafeTest Dial Indicator is a Bluetooth-enabled device that remotely measures clearances, tolerances and wear on a machine, while the PressureTransducer is ideal for measuring gas or fluid pressure systems across various mobile equipment.

All kits come with the SafeTest MultiTool (touchscreen monitor) that allows maintenance technicians to carry out routine testing across multiple channels simultaneously from up to 50m distance – outside the machine footprint and away from the ‘line of fire’.

RESULTS

While it might come as no surprise that SafeGauge’s products enhanced safety, MacKellar also found that its efficiency was improving.

Stuart Arndell: “Taking measurements and values has been quicker, because everything is recorded digitally. Having electronic readings and storage means we make far less mistakes, and we can pass all maintenance records on much quicker.”

“The whole maintenance and servicing process goes so much quicker, which helps to decrease downtime and gets the machines back up and doing their jobs.”

Any time a business implements a new suite of products, it can usually be expected that the process will involve a few challenging learning curves – but it wasn't that way for MacKellar.



SafeTest Pressure Transducer

“ The adoption has been immediate. Our team picked it up and ran with it. The products are now basically part of their lives, and our maintenance improvements have been immediate. ”



SafeTest Dial Indicator



SERVICE IS KEY

While the SafeGauge products have now become staples for MacKellar, it was the service the company received from SafeGauge that really sealed the deal.

“The owner of SafeGauge actually came to our office to tell us his story and to answer any questions we had. I could see we needed this tooling, and they made the whole process so easy. There was a seamless transition from getting a quote to actually getting the products delivered to our office.”

“ Seeing that personal touch that SafeGauge has was great, and from an equipment perspective, it was probably the easiest transition we've ever done. ”

FUTURE APPLICATIONS

“A good thing about SafeGauge is that it is working toward future safety products, too. Instead of just sitting back and going, ‘yeah, we have a great product’ and that's the end, the company is actively working on making sure it continues to have a great product.”

“ At the end of the day, safety on a site is priceless, and I can see us using SafeGauge for a long time yet. ”

Stuart Arndell, Managing Director



SafeTest Field Service Kit