

Case Study – Hitachi OEM Electrical Cabinet

ALLPLANT

Finding the solution to reducing those re-occurring electrical faults and solving the issue with finding a suitable relay for the Hitachi EX1900, 3600, 5500 & 5600 excavators.



Problem

With the extreme environmental challenges and parts availability, the Hitachi OEM main electrical cabinets are a common factor in electrical downtime issues. The factory relays found in these units are an OEM only component and finding replacements on site can be challenging for service personnel and management.

Solution

Utilizing a service exchange cabinet, the OEM electrical cabinet can be changed out during a planned maintenance shut down, resulting in no additional downtime. The new exchange unit is not only fully refurbished it features upgraded wiring in problematic circuits and a complete relay upgrade, to BOSCH 5 pin relays and bases. This is an important feature to our customers, giving them access to use a standard size 5 pin relay readily available on site.

- Sand blast and paint cabinet
- Full wiring replacement as per OEM and wiring size upgrade to critical circuits
- Upgrade to BOSCH relays and base's
- Workshop tested to ease site installation
- New cable ducting

Outcome

With a full OEM cabinet refurbishment and upgrade, installation becomes a bolt-in solution resulting in no delays in planned maintenance. Plus, all the benefits of new electrical components and wiring, reducing the chance of premature electrical failures.