CQ Field Mining Services

Electric Shovel Undercarriage

PROJECT PROFILE

Project Name:
Electric Shovel Undercarriage Shutdown

Client:
Glencore

Date:
March/April 2021

Machine/Equipment:
P&H 4100XPC Face Shovel

CQFMS was engaged to deliver skilled trade labour and tooling for an outage on a P&H 4100XPC Face Shovel at a valued client's QLD mine site.

PROJECT CHALLENGES

The CQFMS projects division were able to successfully complete this shutdown on time and under budget, however there were several emergent works that caused additional planning.

Arranging additional accommodation for workers was required as boom cracking repairs were added to the scope of work. Boom Welders were sourced internally and mobilised to site to ensure there was no impact on duration of project.

PROJECT SNAPSHOT

Our Team
25 people onsite

Man Hours Worked
1775 hours

FMS Group Project Value
$400+ thousand

Safety
zero incidents/ accidents

THE BEST APPROACH

CQFMS took a meticulously planned approach to ensure the successful delivery of this major maintenance project. We identified and secured high-quality Supervisors and tradespeople well in advance of project commencement, so that every shift was equipped with the best people. The quality and consistency of our experienced labour achieved impressive efficiencies for our client.

Despite emergent works, we were able to maintain crew numbers for the duration of the project.

CQFMS engaged major sub-contractors and managed their scope in line with the schedule that was created by our engineers.

Our responsiveness meant that the downtime on this major piece of equipment was minimised, ensuring the ongoing productivity of the mine.

25 skilled trade labour delivered to site including:

- Supervisors
- Boilermakers
- Trade Assistants

THE BEST RESULT

- The machine was jacked using Lampson's ramps, pads, carbody and counterweight jacks.
- Once jacked, spacers were used under mechanical braces attached to carbody jacks and pressure released.
- The lower half of tracks on both sides were unpinned and dragged clear using a D11 Bulldozer and tow slings.
- Due to damage to load roller components, multiple pins were lanced out.
- All bores and thrust faces required extensive pad welding/build up before being machined back to OEM specification.
- All original and emergent work scope was completed within assigned timeframe.
- Detailed planning ensured crew numbers were maintained for duration of project.
- This shutdown was completed incident free.

Delivering the Best to keep your mine running.

To find out how CQFMS can achieve a result like this for your mine, contact us.

P +61 7 4952 6557
E enquiries@cqfms.com

fieldminingservicesgroup
cqfms.com.au