

**COMPONENT
WORKS**



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2019

CAPABILITY STATEMENT

**COMPONENT
WORKS**

Your OEM Alternative



COMPONENT WORKS

Managing Directors

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ABOUT

- Component Works was established in 2006 by co-owners and Managing Directors Brad Van Moolenbroek and Roman Mosshammer, who possess more than 40 years combined industry experience.
- Servicing the Bowen Basin, Component Works have built a solid reputation for providing quality and reliable component and machinery overhauls and efficient repairs, for all makes and models of equipment to clients in the mining and civil industries. Additional capabilities include engineering, machining and fabrication services from our head office and workshop in Mackay.
- From diagnostics to complete machine overhauls, mining and civil companies throughout the region rely on Component Works to provide the reliability and efficiency they require. Equipped with an 1800sqm workshop, laydown facilities and two overhead cranes, our high-functioning workshop enables us to overhaul, repair and manufacture to client requirements.
- Boasting quality workmanship, reliability and realistic pricing, Component Works completes all jobs safely, on time and to budget. In addition to safety, our highest priority is to ensure our valued customers receive their assets and rotables as quickly as possible, issue free and work ready. Our locally employed and skilled team complete all work using customised solutions in accordance with best OEM practices and Australian standards.
- Engaging Component Works as a supplier enables clients to eliminate systematic issues within their assets and units, as we are equipped to execute any project that enters our workshop. We understand the importance of the utilisation of our customer's assets and have quality control procedures in place to ensure that our workmanship is second to none.

QUALITY ASSURANCE

Component Works follows stringent processes and procedures to ensure that overhauls are completed to the highest standards. Our Quality Management System meets the provisions of ISO9001. The system is deployed and maintained by our dynamic team of professionals. OEM reusability guides and measurement specifications are continually utilised to check for reusability or repair.

We engage a qualified independent third party to conduct non-destructive testing (NDT) on componentry housings, machine frames and attachments to check the structural integrity to shafts, gears, spindles and hubs to ensure the items meet reusability guidelines. Any works outsourced to our suppliers is QA'd and measured before being reassembled.

Our commitment to quality assurance has enabled us to develop proven processes that are utilised during overhauls, allowing us to confidently deliver products we know will eliminate future reliability and down time risks. Our approach is not only to think about today's issue but also to consider what may happen tomorrow.



COMPONENT WORKS

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CAPABILITIES OVERVIEW

MACHINE OVERHAULS AND REPAIRS

HEAVY EQUIPMENT COMPONENTRY

- Overhaul Capabilities
- Service exchange (REMAN)
- Procurement

FIXED PLANT COMPONENTRY

FABRICATION & MACHINING

01

MACHINE OVERHAULS AND REPAIRS



D10T Dozer



CAT 988H defect repairs, engine supply and change out, blast/paint and 10,000kg tyre handling conversion



CAT 16H rehouse, rewire, cab overhaul, defect repairs and component changeouts

Equipped with an 1800sqm workshop, laydown facilities and two overhead cranes, our high-functioning workshop enables us to overhaul, repair and manufacture to your requirements.

Component Works re-hose and re-wire machines to OEM positioning and clamping specifications, we believe that no hose or harness should ever rub through if it has been correctly run and secured.

We go above and beyond utilising products such as spiral wrap, twist locks, P clamps and insertion rubber to ensure that hoses and wiring are not subject to premature failure from chaffing, caused by operational vibrations and hydraulic forces.

- **Zero houred overhauls**
- **Scheduled component change outs**
- **General repairs**
- **OEM updates and retrofits**
- **Machine diagnostics and software updates**
- **Equipment modifications (tyre handler/water truck conversions)**
- **Equipment condition reporting**
- **Blasting and painting**

EQUIPMENT WE OVERHAUL

- **CATERPILLAR**
- **KOMATSU**
- **HITACHI**
- **TEREX**
- **JCB**
- **VOLVO**
- **ATLAS COPCO**
- **SANDVIK**

OUR APPROACH IS NOT ONLY TO THINK ABOUT TODAY'S ISSUE BUT ALSO TO CONSIDER WHAT MAY HAPPEN TOMORROW.

02

HEAVY EQUIPMENT COMPONENTRY

Component Works are your OEM alternative, meeting OEM reusability guideline overhaul standards that will outperform and be more cost effective than traditional OEM reman or service exchange options. Our overhauls are built to outperform and exceed customer's utilisation requirements and warranty periods.

OVERHAUL CAPABILITIES

- **Power train specialists (torque convertor and transmissions)**
- **Diesel engines**
- **Front and rear suspension cylinders**
- **Hydraulic valving and pumps**
- **Hydraulic cylinders**
- **Track frames**
- **Final drives**
- **Front wheel groups**
- **Brake groups**
- **Differentials**
- **Radiators**
- **Operator stations (cabs)**

Component Works have a stringent quality assurance procedure and follow OEM reusability guidelines. We only utilise OEM parts, unless otherwise requested from the customer and all reclamation works outsourced to our suppliers is QA'd and measured before being reassembled.

Our power train componentry is dyno function tested to ensure that all pressures are set to and comply with OEM specifications. Hydraulic valving, pumps and cylinders are also pressure tested and adjusted to OEM specifications before dispatch to ensure that the component is work ready once installed. Testing certification is supplied with all components accordingly.

**QUALITY COMPONENTS IN ACCORDANCE
WITH OEM GUIDELINES AND
AUSTRALIAN STANDARDS.**



992K control valve



Cylinders, 789 rear
suspension cylinder



D11T zero houred track frame overhaul



789 Torque converter being dyno tested and QA'd



Transmission being tested and adjusted on the dyno.
Completed 793 transmission and diff assembly
tested and QA'd



02

HEAVY EQUIPMENT COMPONENTRY

SERVICE EXCHANGE AND PROCUREMENT

- Engines
- Transmissions
- Torque convertors
- Final drives
- Front wheel groups
- Brake groups
- Suspension cylinders
- Hydraulic cylinders, valves and pumps
- Differentials
- Dozer and grader blades
- Operator stations (cab)

Component Works has a broad range of components, attachments and operator stations available for service exchange and outright sales. Components are overhauled using genuine parts only, with all internal componentry passing OEM reusability guideline standards. We will not utilise questionable internal componentry and only build to the higher end of reusable guidelines. Component Works service exchange iron is built to perform and exceed our customer's utilisation requirements, not just pass over warranty periods.

**WE ARE A LEADING SUPPLIER
THROUGHOUT THE BOWEN BASIN OF
MACHINE AND COMPONENT OVERHAULS.**



CAT D11T nose cone



CAT 993 Control valve



CAT 789 final drive



785 Hoist cylinder



03

FIXED PLANT COMPONENTRY



Water pumps



Warmam pump barrels overhauls and testing



Exciter box



Solid bowl

- Water pumps
(Component Works is an agent for KSB pumps)
- Slurry pumps
- Pump barrels
- Solid bowls
- Gearboxes
- Transmissions
- Conveyor drives
- Exciter boxes
- Crushers
- Actuators
- Hydraulic cylinders

Component Works overhaul a vast range of fixed plant componentry and have a reputation for being a reliable supplier and the business to call on when organisations are having issues, that the OEM will not support or are interested in fixing. We have successfully engineered and developed upgrades to eliminate issues for exciter boxes, roller screen gearboxes, Abon crushers and many other fixed plant components.

Your OEM Alternative



04

FABRICATION & MACHINING

FABRICATION

Our experienced team specialise in fabricating essential parts for the local mining and civil industries. Our mobile welding trucks are fitted with a 50 Hertz, 100 KVA generator and all mine spec systems. Our mobile trucks are capable of supporting three boilermakers simultaneously and are available for dry or wet hire.

- Mobile 50-hertz on-site welding repairs
- Certified transport stands
- Stainless and aluminum welding
- Chassis and housing crack repairs
- Blade and bucket repairs

**WE UTILISE A QUALIFIED
INDEPENDENT THIRD PARTY TO
CONDUCT NON-DESTRUCTIVE TESTING.**



Onsite repairs and fabrication



Storage vat



Certified transport stand



Push arm cap



Front hub repair



Auto stack pipe trailer
manufacture



D11 U blade

QUALITY ASSURANCE



04

FABRICATION & MACHINING

MACHINING

The machine shop is equipped with modern equipment to undertake any works for componentry and machinery repair. Component Works has convenient on-site machining capabilities to cost effectively repair machinery and attachments.

- On-site lineboring
- Reclamation works
- Shafts
- Housing repairs
- Sleaving



Abon feeder shaft
wheel clamps



Hydraulic cylinder gland nut



Pin manufacture



Shaft and brush
manufacture



Equaliser bar repairs



Shaft manufacture



Dozer track frame reclamation
and conversions to toe out and
straight applications



Bucket repairs



BEFORE



AFTER



SAFETY

Component Works fosters a 'safety first' workplace. Our 'safety first production follows' philosophy is built into our systems. We continuously utilise risk and hazard identification tools for the safety of all employees, suppliers and customers. Management provides guidance, training and leadership on all environmental health and safety issues, ensuring our team complete all work in accordance with best OEM practices and Australian standards.



MISSION STATEMENT

At Component Works we understand that our customers have different requirements. We also understand that these requirements change along with circumstance.

For Component Works though, there are some things that never change.

- Total commitment to our customers.
- Personal service that's available 24/7.
- Value for money
- After sales support
- Flexibility to move with changing situations.
- Respect for our Customer as we understand that without them and the faith put in us we have no business.
- A genuine passion for what we provide and the enjoyment from the relationships we form.

DISPATCH

MOUNTING O-RINGS
OR SEALS SUPPLIED

BRIGHT, CLEAN & GLOSSY
2PAC PAINT

RED PAINT APPLIED TO
CLEARLY IDENTIFY FILL,
LEVEL & DRAIN LOCATIONS



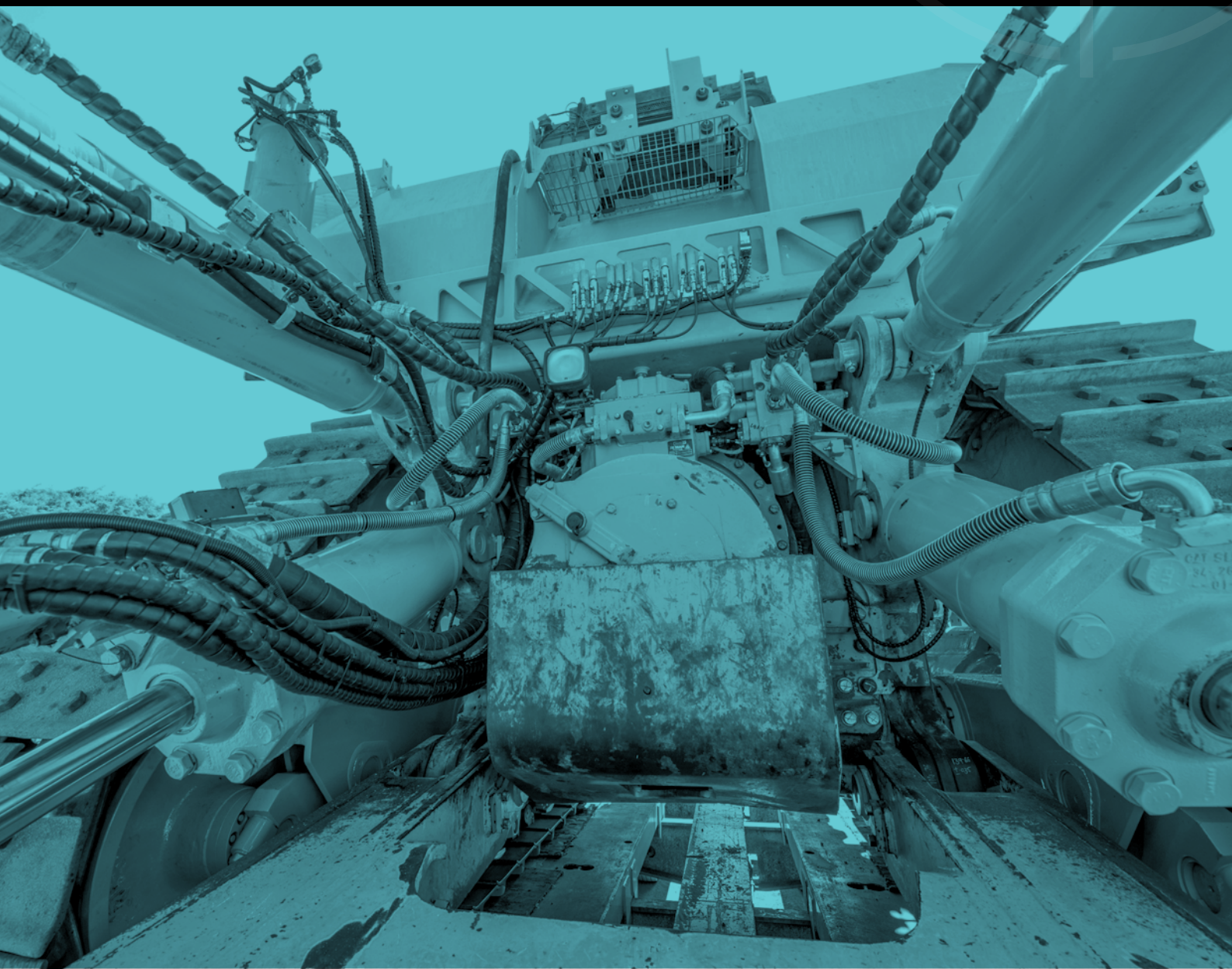
MOUNTING SURFACES
BUFFED CLEAN WITH A RUST
PROOFING PRODUCT APPLIED

CLEAR AND ACCURATE
DISPATCH & RECEIVAL
INFORMATION

WRAPPED IN SHRINK WRAP TO
PROTECT FROM THE ELEMENTS
WHILST BEING STORED

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