

When 23 year old Doug Brooks recognised an opportunity to hire out equipment to the mining industry in WA in 1979, he knew it was something he had to pursue. Doug scrambled together every dollar he had, to purchase two disassembled compressors, with the remainder of the bill being settled by bankcard. He opened 'Brooks Hire Service' and ran the business from a shed in the remote WA town of Eneabba. All the while Doug was living in a 'humpy' at the rear of the shed. There were many that warned him of the difficulty of starting a new business in a very competitive industry, but Doug was determined and it was only a matter of time before he was turning a profit on his compressors. What started as two compressors on hire, soon turned into twelve pumps on hire, but the turning point came when Doug purchased his first piece of mobile equipment, an eight tonne JEC crane. There are many great stories that came out of that shed in Eneabba, It was the foundation of Brooks Hire and the place where all of the 'hard yards' were done. Eneabba is remembered as the birth place of Brooks Hire Service.



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From the MD...

It's been a busy start to 2023, and I feel it's important to begin my column by thanking all of Brooks' hard working staff members for keeping this well oiled machine rolling.

In February, we celebrated our Apprentices and Trainees, of which, we have 38 around Australia. I started my own working life as an apprentice, and it's been an important part of Brooks' culture to build Australia's workpool by giving young people the chance to grow a career. Of course, this couldn't happen without our experienced trades people who dedicate their time to pass on their valuable knowledge and experience to the next generation.

In March, we celebrated International Women's Day. The industry that we work in has, in the past, been a very male dominated one. We are proud to support our female workers, giving them opportunities for promotion and growth. We can proudly say that 40% of our senior managers are women.

Across the board, all Brooks divisions have been achieving great things. Brooks Airways has been consistently running FIFO and charter flights for the mining, oil, and gas industries. The Site Services department has been exploring and promoting green energy solutions with great success. Brooks Access' sales department is booming (excuse the pun), and Brooks Equipment has also achieved record breaking sales results, making Sany the Top 3 selling crawler excavator in WA, and being named Genmac's Top Ten Distributor worldwide!

So, you might be wondering, with all of this growth, what's next? Rest assured, we're only just getting started. We are working on some new and exciting plans for the future. Keep your ear to the ground, and your eyes on the Eneabba.



Eneabba AUTUMN 2023 CONTENTS



Together We Roll brooks collaborates with Olive Branch Enterprise



A Strong Tonic Constructing a culture of innovation



More Power to You Generating energy efficiency for the whole site

BROOKS

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For the Long Haul Rentco looks to the future



Way Out West Komic works the Wheatbelt region



Sold on Success



FIFO Flights Take Off



New Machines Take a look at what's been rolling in

Brooks Around the Nation Branch news from around the country

The Puzzler Page Flex your brain over a cup of coffee

Snap That



Streets of Gold Gencon Civil grades the Goldfields



Plant Assessor On The Job



Brooks Makes International Top 10 Genmac distributor awards



Creating Civil Diversity



Events & Exhibitions Out and about with Brooks

Welcome Aboard Meet the new faces at Brooks

Kids' Corner Get your crayons ready, kids

Equipment Hire List

Together We Roll

Brooks collaborates with Olive Branch Enterprise

Recently, Brooks commissioned the services of talented Indigineous artist, Sister Danielle Champion from Olive Branch Enterprise, to design an artwork for our new Volvo prime mover. This marks the beginning of a relationship between the two entities.

What is Olive Branch Enterprise (OBE)?

Olive Branch Enterprise (OBE) is a 100% Aboriginal owned business, founded in Kalgoorlie WA, by the family reigning under Timothy Champion Senior.

The Directors of OBE are James Champion (Chairman), Noelene Walley (Secretary/Director), Bruce Champion (Director), Fiona Champion (Director), and Felicity Champion (Public Officer/Director). Management is held by Simon Shin (Chief Executive Officer), Danielle Champion (Chief Operations Officer), and Jonathan Quay (Chief Strategy Officer).

Though private and independent, the elders/directors are members of the Marlinyu Ghoorlie Claim Group which come and represent a large part of the Goldfields region/country. Some elders and directors come from other country regions which our family represent through marriages and original birth places.

How was it started and what services do you offer?

Olive Branch Enterprise was registered July 2019 with the ambition to eradicate and decrease criminal activity; drugs, sexual and alcohol abuse; unemployment rates; homelessness; incarceration rates, and eradicate suicide. We do this by improving, increasing, and bringing light to educational pathways, career/employment pathways and entrepreneurial pathways for all members of the community and OBE.



We are an Aboriginal Mining Service Provider/Contractor providing full comprehensive solutions for mining organisations.

The services that OBE offer mining companies, are:

- Engineering to planning
- Mine Closure Programs (mineralisation/land characterisation and environmental engineering)
- Civil Operations / Constructions (earthworks / operations / engineering fields / road development and maintenance)
- Product Supply (Workwear and PPE / Plant Machinery / Fleet Machinery)
- Venue Management (camp construction / catering / laundry / housekeeping / general maintenance)
- Aboriginal Labourhire (white and blue collar)
- Rehabilitation (seeds / civil earthworks / engineering caring for country)
- Haulage plus plant machine and fleet hire lease

We partner with key industry experts (corporations/organisations) in the field of interest - such as Brooks Hire - and commercialise opportunities on country in favour of contracts that are available with (mainly) mining companies.



At the centre of OBE is the Champion Family – can you tell us about your family involvement?

The Champion family have lived and reigned from the Goldfields Country for hundreds of years, walking country, and caring for country. Olive Branch Enterprise has endorsements and engagements with 14 other Western Australian regions for success, so that all Aboriginal Elders, community members, and generations to come, can share the fruits of our values, goals, and direction.

OBE Chief Operations Officer, Sister Danielle Champion is also a talented artist. How does Sister Danielle insert her art into the services that OBE provides?

Sister Danielle Champion has built a great reputation with her artwork within the Goldfields and Metropolitan region. With this reputation, it has been a constant request that her works be combined with some of the services we provide – especially the fleet or plant machinery department. She is very specific, cautious, and dedicated to delivering the best artwork representation through stories and designs.

Brooks asked Sister Danielle to design a piece that would compliment our existing branding, and we were ecstatic with the artwork that she produced. The piece is called 'The Seven Sisters', and has a special Indigineous story behind it.

The Seven Sisters are the seven daughters which are named, Emu Red Tailed Black Cockatoo, Parrot, Pink and Grey Galah, Wedge Tailed Eagle, Honeyeater, and Bluebird.



They travelled on a journey to find their father but they cannot seem to find him after many years of walking, shouting and searching. Exhausted, the seven sisters end up in the desert with no water or proper food to help them on their journey so therefore they die. Later during the year, their father finds them instead, laying in the desert, and in sorrow he buries his daughters in a very long ritual, vowing to never leave their daughters side, ever again. The fathers heart

Sister Danielle Champion was also responsible for designing a very prominent piece for Northern Star Resources last year.



How did CEO Simon Shin, come to be involved with OBE?

Simon Shin started Olive Branch Enterprise with the Elders/Directors and Timothy Champion Senior in 2019. Being, as most would say, adopted into the family, he has learnt and journeyed with Timothy Champion Senior and James Champion (Chairman of Olive Branch Enterprise) to truly feel, see, and be one with the Aboriginal Country. With a passion to eradicate suicide, his skills, experience, and drive for success was what was needed for the Champion Family in the Goldfields region. In such a cut-throat industry, through his faith in Christ, and 'never give-up' attitude, Simon has pushed and achieved great results with partners, clients and other Aboriginal Elders in Western Australia, building a reputation that challenges all commercial businesses, nationally and internationally to challenge the status quo, giving Olive Branch Enterprise an equitable chance.

What goals does OBE have for the future?

Olive Branch Enterprise aims to succeed in the following over the next five years:

- Own and operate 7 mines (majority owned)
- Win 7 mining service contracts
- Grow up to 55 employment opportunities within the Aboriginal family/community
- Provide 45 scholarships to educational pathways for the Aboriginal family
- Grow our OBE team to 50 employees
- Help fund and/or start 20 SME businesses for Aboriginal family members
- Win Telstra Business Awards and other Business Awards

Brooks is proud to support Olive Branch Enterprise. We have immensely enjoyed our involvement with the organisation, and wish them a strong and prosperous future.



Rentco Looks to the Future

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Founded in Western Australia in 1994 by brothers Bob and John Shier, Rentco Transport Equipment Rentals has quickly expanded their trusted brand throughout Australia. Since the beginning, Rentco has adopted a "can-do" business ethos and a willingness to adopt new and innovative transportation equipment which has now positioned the Australian family-owned business as the leading supplier of heavy vehicle transportation rental equipment throughout Australia.

Rentco's vision drove rapid and continuous expansion throughout the early years, setting up new depots in Darwin, Townsville, Brisbane, Sydney, Melbourne, and Adelaide. Now employing more than 100 highly trained staff throughout the network, some 30% of our staff have completed more than 10 years' service which underlines the quality business conditions and management in place.

To overcome a significant shortage of experienced and qualified tradespeople, Rentco embarked on an apprenticeship program of both school leavers and mature apprentices to fill this void: the initiative has been an overwhelming success.

Lance Jones and Jarrod Dennis both completed apprenticeships with Rentco and now hold positions as Branch Managers in Darwin and Sydney respectively whilst, Kirk Shier our Perth Workshop Manager, also completed his apprenticeship with Rentco. Today, most Rentco branches have apprentices across many disciplines including Fabrication, Mechanical, Auto Electrical and Spray Painting.

Whilst retaining our apprentices after graduation is key to our success, some of our new tradespeople do choose to pursue other opportunities or follow the lucrative offerings of FIFO employment, but overall, Rentco prides itself on high retention of employees post-graduation.

Regardless of being retained, Rentco continues to play its part in the development of highly skilled tradespeople that are required across Australia. Rentco prides itself on being an employer of choice, offering its people a career path through apprenticeships, and internal training and development.

Rentco has long been known for providing Australia's largest fleet of heavy-duty rental trucks and trailers, but it is now much more than just prime movers and semi-trailing equipment. To meet the varying commitments of its customers, Rentco has been actively keeping pace with the ever-changing needs of transport companies across the nation, one of these directions is the Terminal Tractor (Tug Truck).

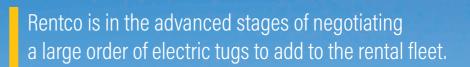
Whether it's safety, efficiency, or a combination of both, Australian freight companies, distribution centres, and warehouses heavily rely on the latest, up to date equipment and processes to keep ahead in what have been some very challenging years. A Terminal Tractor provides its user a comfortable, airconditioned space with excellent vision and well positioned controls to allow the efficient movement of loaded or unloaded trailers around the yard or from dock to dock. These vehicles can be restricted to any speed and come with a full range of functionality that you would expect to find in a mainstream prime mover.

Rentco has a variety of models to suit varying needs, single and bogie drive units up to 90T, road usage permits, with an opportunity to add some customised extras such as air ride seats, heated mirrors and radio communications to ensure the operator has the best possible equipment to carry out his role safely.

The unique design allows the operator to stay within the vehicle and move to the trailer without having to step down on the ground. The hydraulic turn table allows the operator to lift the trailer up instead of winding the legs, giving you a very fast hook up and detachment process without leaving the truck. The net result is less time, less injuries, and less damage.

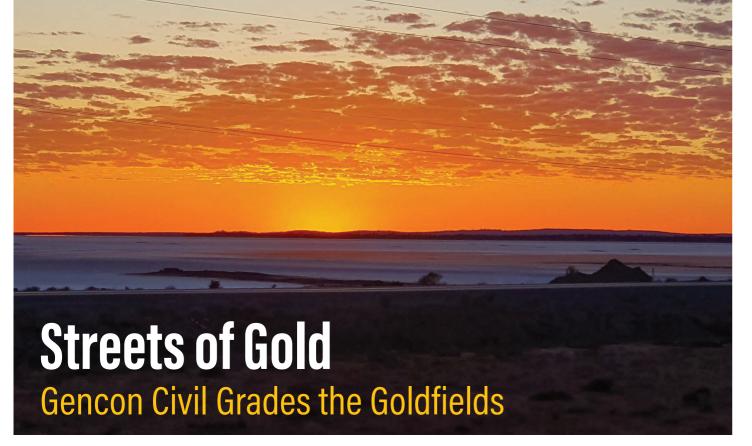
The Terminal Tractor options are vast: Rentco has most makes and models in the fleet and a highly trained team of Australia's best technicians, managed entirely by Rentco staff on the ground in each state. A real advantage is our 24/7 dedicated service support by Rentco employees that keep our equipment operational with absolute minimum down-time. The Terminal Tractors can operate on roads, ports, distribution centres and yards or just about anywhere a prime mover and semi-trailer has access.

As with most businesses in Australia today, Rentco is actively looking for ways to reduce its carbon footprint and offer its customers carbon reduction advantages as well. Rentco is in the advanced stages of negotiating a large order of electric tugs to add to the rental fleet, offering its customers the carbon reduction advantages that come from decreasing greenhouse gas emissions: a topic that continues to gather momentum and one we are proud to be part of for both Rentco and its clients. This is a brand-new direction for Rentco and for transport in Australia and something that our team are very excited to deliver with the first units due in July this year. With stock on hand in every state, this new direction for Rentco has been received with great positivity and works side-by-side with our huge range of prime movers, semi-trailers, and rigid fleet.









This quarter, we caught up with Jim London from Gencon Civil. Gencon Civil has been a long-term client of Brooks Hire, and has become a very well respected name in the Goldfields region of Western Australia.

Tell us a little bit about Gencon Civil - When were you established, and what do you do?

Jim London started Gencon Civil in October 2011, as a Sole Trader. The first piece of equipment was a 140H Grader. To meet the clients' needs, an Iveco prime mover and drop-deck float were then purchased. In 2013 Gencon upgraded from its Sole Trader status, hiring staff to fill Mobile Plant Operator positions. Over the following years, Gencon Civil has increased its fleet of plant to meet requirements.





Through hard work, exceptional service, and Jim's extensive expertise Gencon Civil has grown into a dependable and sought-after company, offering a range of road construction and earthwork services to meet the diverse needs of our clients. Gencon Civil's experienced team has the expertise to handle all aspects of road construction, from site preparation and grading as well as the installation of signs, linemarking, and other road safety features.

Our values:

- **G** uaranteed Quality
- **E** xpertise & Experience
- **N** o-Compromise on Safety
- **C** ustomer-Centred
- C ustomer-centre
- ptimal Solutions
- **N** urturing Relationships are at the core of everything we do.

Gencon Civil is located in the Goldfields region of Western Australia. Tell us about the region, and the type of customers that you service.

Gencon Civil's home base is in Kambalda West (55km South from Kalgoorlie). Kambalda is located on the edge of Lake Lefroy, an expansive 512km Salt Lake and within the Great Western Woodlands, ensuring there are plenty of adventures to be had.

Gencon Civil's client list, includes:

- Local Government Shire of Coolgardie, City of Kalgoorlie Boulder, Shire of Menzies, Shire of Leonora, Shire of Dundas
- Mining & Resources Gold Fields Australia (St Ives Gold),
 Evolution Mining, St Barbara, Mincor, Northern Star Resources,
 Norton Gold Fields, Mining Plus, and many more
- Other Business McNally Resources, Highway Construction, WBHO, DM Roads, etc.
- Main Roads Western Australia



What has been your most challenging project to date and why?

Two projects stand out.

Yarri Road was a 5-month project completed in early 2018. Unfortunately, not long into the project, the Kalgoorlie region received a one-in-100-years rain event. In one afternoon, temporary side roads were completely washed away, a lake within our work area went from completely dry, to full, with amazing marine life popping up and distracting the work crew.

Due to the delays caused from the intense weather, Gencon Civil was required to rapidly increase our crew and hire in extra plant, so other works booked could commence on time, and the Yarri Road works could be completed.

The second project, throwing repeated challenges to Gencon Civil's Management team was completed in the Mid-West Gascoyne mid-2021. Working on the Main Roads Western Australia (MRWA) Network, our crew were travelling the whole of the Mid-West Gascoyne. As these works followed the destructive Cyclone Seroja rampage, accommodation was very hard to come by. The crew would be separated over any available accommodation, often having to travel over 150km each way, daily. At one stage, swags and sleeping bags were purchased, and plans made for some members of the crew to sleep in the prime movers.

What project are you most proud of and why?

Kambalda Airport Upgrade comes to mind as this project has benefited the local community and businesses in allowing larger aircraft to use the facility, making it easier for FIFO workers to commute between Kambalda and Perth.

The project involved tripling the size of the unsealed taxiway and apron to allow two larger Q400 aircraft to park on the apron. Previous to the upgrade, the airport could only facilitate one aircraft at any one time. The upgrade to the taxiway also involved applying a bitumen surface and linemarking. As part of the requirements for the larger aircraft, the turning nodes were also required to be upgraded to a sealed surface.



We look forward to being involved in stage 2 of the works which will be to upgrade the runway to a sealed surface which then allow jet aircraft to use the airport.

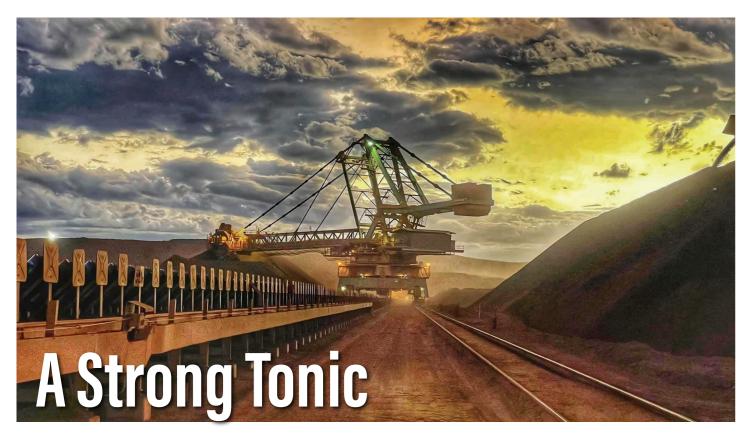
What are your plans for the future?

Gencon Civil's plan is to continue to provide the highest quality road construction and earthwork services in the Goldfields region. Our aim is to continue to grow the business utilising as much local labour and resources as possible, while navigating complex projects and overcoming challenges, with a focus on delivering results and exceeding our clients' expectations. Gencon Civil is dedicated to these values and will continue to work tirelessly to ensure our clients receive the services they need, to succeed.

Gencon Civil would like to take this opportunity to thank Brooks Hire for their continued support over the last 12 years. The Brooks Hire Kalgoorlie Branch has provided a diverse range of mobile plant and heavy equipment to ensure Gencon Civil can complete works on time, and in budget. The Brooks Hire Service team have always been quick to respond and will ensure all plant is operational in a timely manner. In the last year, it has greatly assisted our team utilising Brooks' light vehicle hire, and Brooks Transport. Gencon Civil looks forward to continuing working alongside each other, into the future.

For more information on Gencon Civil, visit www.genconcivil.au





Constructing a Culture of Innovation

The Pilbara is one of the most remote, mineral rich regions in Australia. Located in Newman, some 15 kilometres north of the Tropic of Capricorn, we caught up with Andrew Dobson, Manager of Tonic Group.

Who are Tonic Group and what services do you offer?

Tonic Group commenced operations in April 2020 to service the mining industry of Western Australia. The initial concept was to provide a service which offered a more personal approach to how we interact with our clients. As a new start-up, the biggest challenge has been the initial engagement to new clients which, ideally, had to be different. Tonic Group's core value is innovation.

This was overcome by the combined 80 years of construction experience and a new way of thinking for the Directors. The business was a partnership and the beginning of new opportunities. The initial focus was taking a simple project concept to a client and prove through innovative thinking, superior construction techniques, and quality output, that Tonic Group could execute the project to a level of expectation that you would normally expect from a much larger scale budget.

From this, the company as grown exponentially, providing modern solutions for both basic and complex projects. Tonic Group provide labour solutions, plant and equipment supply and technical proposals, which continue our model of innovation – How to be different!

Tonic Group was founded in 2020, the same year that WHO declared a global pandemic. How did this affect the establishment of your business?

The global pandemic had an impact on many facets of not only the mining industry, but society in general, and Tonic Group were not immune. The mining industry placed many controls on how construction contractors were required to operate, and our team of professionals worked together to ensure we developed the required procedures to enable our works to continue. The team looked to local communities to provide labour support to negate the impact of flight costs and availability issues.

Procurement constraints driven by rise in global commodities had more of an impact as the world moved through the peaks in 2021/22 and can be seen with the cycle of builders collapsing. Tonic Group concentrated on supporting our key clients, offering the same service without over promising on targets, and this was key to our survival.

The global pandemic has impacted all Australians, but I think it is the strong Australian spirit that sets us apart from the rest. Tonic Group are part of that fighting spirit and we intend to continue our focus on supporting local communities, providing innovative solutions to our clients, and growing our team of professionals.

What has been your most challenging project to date, and how did you overcome those challenges?

Tonic Group completed the bulk earth works and civil remediation of an airport in a remote location just outside Southern Cross. This project required the completed rectification of embankments adjacent to a 1.2km runway caused by excessive storm water damage. The difficulty faced was the continued operation of the facility and the short time frame allocated by the client to bring this asset back to an appropriate standard. Our teams were given 34 days to remove, import and lay approximately 11,000m³ of fill material to rectify this damaged asset.



Tonic Group overcame this logistical challenge by partnering with local businesses, local government, and companies which gave us the competitive advantage over other contractors. Our professional support, through our skilled administration team, were able to mobilise a team of highly skilled specialists and equipment within 4 days, to site. This rapid mobilisation process highlighted to our business the importance of working with local communities and business partners to ensure project success and our clients' expectations are fulfilled.



What project are you most proud of and why?

To commence operations in such a challenging market and to continue to see growth in not just the short term, but over a sustained period, is testament of the drive our team have in making the right business decisions which are key to our growth. Tonic Group pride ourselves on our core values which enable us to deliver a competitive product to each of our clients.

The project, which is a standout for the company, is a small design and construct package for a dilapidated 4t bridge on a mine site in the Pilbara region of Western Australia. The bridges original design capacity was 20t but due to years of wear and tear it was derated by Engineering to ensure the safety of operational teams. Tonic Group was enlisted to produce a solution to reme-



diate and reinforce the bridge deck back to its original design capacity whilst limiting the shut down time of the asset.

Our team worked alongside product manufacturers to provide a quick and effective solution to this issue with shut down time on the asset being reduced to only 10 days. This resulted in the end product not only meeting the requirements of the client but exceeding their expectations with the asset now brought back up to its original design rating and safe for years to come.

How does Tonic Group differentiate from your competitors?

Tonic Group is a fresh and dynamic construction company which was established in 2020 and founded on a cumulative 80 years of industry experience. The company's focus is delivering client specific solutions to enable the cost effective and safe delivery of projects in the mining sector. Tonic Group offer a multi discipline approach to project execution to ensure our clients have full-service delivery of their project needs.

Specialising in civil, building, structural, and electrical construction has enabled Tonic Group to offer our clients a competitive solution to their project needs. Tonic Group demonstrate proven capability to deliver projects in operational sites while ensuring the safety, quality, and schedule is maintained throughout the execution phase.

Tonic Group's leadership team represent a change to industry norms with our focus on equality and diversity at the forefront of each decision made. Our intention is to provide a service to our clients ensuring our principals are always maintained without compromise. Tonic Group are supportive of innovation and change, leading to a cleaner future for our children and their children.



Tucked away in the tiny wheatbelt town of Moora, Western Australia, one small business is doing big things.

Komic Contracting & Earthworks is a true family run business in every sense of the word. This quarter, we caught up with the Komic team to talk about their business, and the challenges of working in such a remote location.

Like Brooks Hire, Komic Contracting & Earthworks is a family business. Tell us about the people behind the business, and how it all started.

Founder of Komic, Mike Mclean grew up on his family's dairy farm in Metricup, a small rural town in the Southwest of WA. He ran the farm with his father for many years until, in 1994, the decision was made to move the farming enterprise from dairy in the South West, to wheat, sheep, and cattle, in the Wheatbelt region.

During this time, Mike started a successful bulk transport business which was later sold to continue his farming pursuits. Circumstances led to the purchase of earthmoving equipment for a brief stint of dry hiring to the gas industry in the state's north. Then, in 2013, Mike was persuaded by friends and past clients to bring his machines back to Moora. There was a demand for dam clearing in the area, and Mike, with his vast experience in maintenance and operations, was highly sought after. That is how Komic Contracting and Earthworks began.



Working alongside Mike, is his wife, Naomi. Affectionately known as the 'Ministry of Finance', Naomi has over 30 years experience in business management and bookkeeping. Their daughter, Stacey, helps Naomi run the administration side of the business. Naomi has also been know to join the boys onsite when an extra pair of hands are required.

Rounding out the family business is Mike and Naomi's son, Dylan. Dylan joined his parents in the business in 2017. He is a qualified Light Vehicle Mechanic, and holds a variety of plant operator tickets. Dylan's abilities and expertise far out weigh his age of 29.

Like father, like son, both Mike and Dylan are problem solvers with a "can-do" attitude and an unwavering eye for detail. Their skills have seen Komic Contracting and Earthworks bloom from a short term 'stop gap' business, into a flourishing family operation.



What are Komic's main services, and what areas do you cover?

Our main area of operations are from Gingin, out to Kalannie, up to Eneabba, and all along the coast of the Wheatbelt region of WA. This region is mainly used for pastoral farming of sheep and agriculture, and is the source of nearly two thirds of the state's wheat production, half of its wool production, and the majority of its lamb and mutton, oranges, honey, cut flowers, and a range of other agricultural and pastoral products.

We cover anything from dam and soak clearing, to drainage and trenching, tree and rock removal, gravel and roadworks, and anything in between.



Many of your projects are remote. What challenges does this present, and how have you overcome them?

The remoteness of our operations often means that we are working away from our base. Accommodation is a big issue, however, we like to support the local accommodation and food outlets within the area.

Mobilisation of our plant and equipment is also a challenge. We have just acquired a new quad low loader, and load share dolly, which makes this task much quicker and easier.

Mike is also a fully qualified pilot. How do you use this skill to service Komic's clients?

Being a pilot comes in really handy when liaising with clients in remote locations. Flying to remote site meetings makes project management faster and easier. Mike's aircraft is a two seater Czech Aircraft Works SportCruiser which is capable of cruising at 214km, and can land at remote airstrips, making it the ideal method for remote transportation.



Do you have any plans to expand in the future?

Our small family business has grown from a one man operation in 2013, to 5-10 man in 2022/23. We will continue to expand as the need arises.

If you're in the Wheatbelt region, and require any type of earthworks, call Mike Mclean from Komic Contracting and Earthworks on 0427 549 007 or go to www.komic.com.au.





Plant Assessor on the Job

Machinery Safety and Uptime Technology

Machinery safety and uptime are two critical components for PCBUs whose work involves managing machinery and the safety systems they entail. There are many things to consider, such as ensuring machinery is compliant with Acts, regulations, standards and codes of practice, keeping workers safe, meeting project deadlines, and ensuring machines are up to the job. All of these tasks are complex and time consuming, but thanks to technology, they are becoming much simpler. It's now so much easier to maintain machinery and worker safety on site thanks to technological advancements that, as a result, companies are increasing efficiency, productivity, and uptime. We explore just how machinery safety technology can boost machinery uptime.

It's amazing how much technology can improve safety. Consider digitisation, for example, which has made it much easier to complete machinery risk assessments and pre-starts. If you consider paper-based risk assessments and pre-starts, they are time consuming, and your machinery operators could be at risk while the paper-based results are being analysed by a human. However, this issue can be eliminated through technology.

Digital risk assessments and pre-starts immediately identify the hazards and issues related to a machine, and instantly tell you to stand it down or fix it if needed. Plant Assessor, for example, uses a unique technology called the Machinery Compliance Engine (MCE) to complete risk assessments accurately and quickly. The MCE is a sophisticated piece of technology developed to automate the identification of machinery hazards, set risk ratings, and provide applicable control measures per referenced legislation. All you need to do is pick a machine, complete some simple questions, and let the MCE create your comprehensive risk assessment. This type of technology simplifies the risk assessment process, removes decision making subjectivity around the level of risk a hazard poses and controls that need to be implemented, reduces inconsistencies, better mitigates risk, and reduces the risk of workers being injured while on the job, once controls are actioned.

Documentation is also easier to access and share with others thanks to technology, making safety management easier. Documents such as safe operating procedures (SOPs), for example, can be easily accessed through digital libraries.

A worker can grab their device and easily view these critical safety documents with the click of a button before undertaking a high risk task. Also, documentation, such as risk assessments and pre-starts results, can be shared instantaneously thanks to technology. You can immediately inform your workers about equipment that is unfit for use, allowing for machines to be immediately stood down, and reducing the risk of injury to workers.



Technology has also made plenty of tasks easier for us, by completing the difficult and time consuming ones, and leaving more time for the important things, like getting the job done.

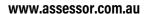
Quicker identification of issues, through the use of technology, can better prevent potential issues or failures before they occur. Speeding up the process of identifying issues means you and your machinery spend more time on the job. Additionally, when an issue is identified quickly, maintenance and servicing can be undertaken immediately, reducing the potential for the machine's fault to worsen, and the machine being stood down. When this happens, projects may not be completed on time, which could negatively impact the profitability of a company.

Technology can also take the mental workload out of remembering when your machines require servicing.

Digital platforms allow us to take an almost hands-off approach when it comes to service and maintenance scheduling by remembering when the last service took place, and scheduling the next one based on a selected timeframe, or the machine's data, giving you more time to focus on the job instead. Digital service and maintenance scheduling can also improve safety by preventing you from forgetting to service your machines, reducing the likelihood of critical issues arising, accidents occurring, and reducing the risk of workers becoming injured, or killed while at work.

Thankfully, there is a simple, digital solution to improve your machinery safety and uptime. Plant Assessor gives you the tools to monitor machinery health, improving uptime and keeping people safe. This technology uses all relevant legislative and regulatory information to help identify hazards, rate risks and determine

> controls to be implemented. Plant Assessor's digital document library, and digital service and maintenance scheduling help you review and maintain your machinery and control hazards on an ongoing basis, Contact Plant Assessor for more information.



Disclaimer: This information is intended subject matter. This is not intended as legal or expert advice for your specific situation. You should seek professional advice before acting or relying on the

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More Power to You

Generating Energy Efficiency for the Whole Site



Energy efficiency, environmental care, and reduction of carbon emissions has risen to the top of the agenda in the mining and construction industry. Put simply, energy efficiency is the use of less energy to perform the same task or produce the same result. More than ever, mining and construction companies are searching for ways to reduce their energy consumption. By using renewable energy, running costs and carbon emissions can be radically reduced, if not eliminated.

While Brooks Hire is synonymous with 'big yellow gear', it's certainly more than that now.

Brooks Hire has been taking active steps to provide clients with sustainable, environmentally friendly options, while still maintaining efficiency and productivity on site. We've invested in capital equipment that provides tangible savings to our clients' bottom line.

Some examples of the green equipment that we've added to the fleet include solar panels, solar powered lights and signs, solar powered battery storage systems, electric generators, and more recently, portable hybrid generators.

Portable Hybrid Generators are industrial grade high efficiency hybrid generators, which utilise a range of different power sources (solar, genset, battery input) to provide portable AC power. The units can be used in a modular set up to scale power needs when necessary.

Before sending this equipment out to the field, Brooks Site Services' Research and Development team have been trialling hybrid generator and solar systems on several of our own portable buildings including site offices and lunch rooms. We have seen massive reductions in fuel consumption and emissions during this period.

Brooks Site Services is now working with several major clients, and has implemented these systems into the field providing power for site office/camp setups, and remote construction water supply installations, where power supply is a constant demand, and a typical generator setup can be costly, both in time and money.

These systems are designed to be portable for easy plug and play installation and de-mobilisation.

Brooks Site Services General Manager, Ben Cook, has been monitoring the energy and fuel costs closely, and the results have been fantastic.

"The feedback from our clients has been excellent," said Ben. "Due to the added power of solar, they've seen a substantial reduction in running hours and fuel costs. Ultimately, this equates to less CO² emmissions, which is great for the environment, and also a monetary saving for the company."

Using the Globe Power HAC15K-20 Hybrid Generator with a solar panel set up, this is the results that one of our clients has achieved:

Breakdown of Savings in Engine Hours and Fuel



Number of days 28
Fuel consumption per hour 2.5
Cost of fuel per litre 2
Normal run hours 672
Actual run hours 24.10
Reduction of run hours 647.49

Runtime (hrs) Cost (\$)
Conventional 672 \$3,360
Generator

Reduction in Fuel Consumed

Generator

Hybrid 24.10 \$120.87
Generator

CO² Savings: 4,275.65 kg

Fuel Cost Saved: \$3,239.13

With a massive reduction of \$3,239 in fuel costs over 28 days, these are figures that can't be ignored. Equally, reducing carbon emissions by over 4,000kg is a very commendable achievement.

These hybrid generator units are designed specifically for remote applications such as:

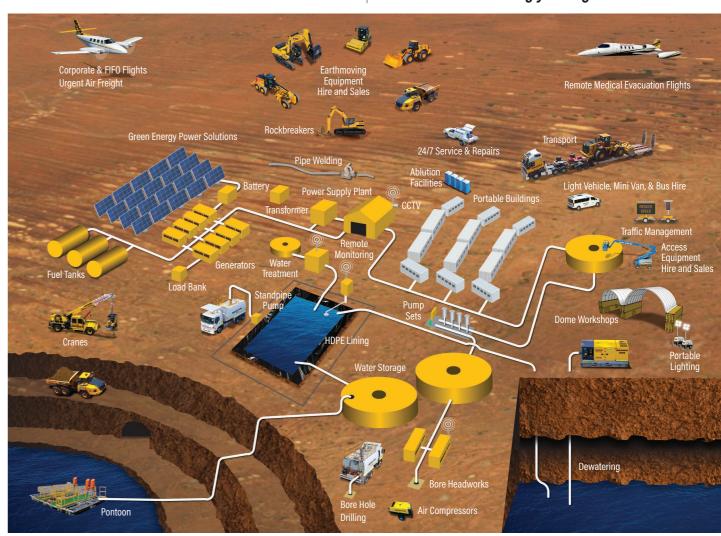
- Mining camps
- Communications infrastructure
- Residential areas under construction
- Events
- Back up power for essential services

They are quick and easy to install, and boast a 10 year battery life, that is low maintenance, and provides exceptional return on investment.

Designed for ease of transport, the compact unit is fitted with forklift pockets, single lift point, and tie down points to enable quick remote delivery. Brooks Site Services also offers remote monitoring, detailing power usage and run time, so you can see the savings for yourself.

If you require green energy solutions on your site, call the 'Green Team' at Brooks Site Services on 1300 276 657.

BROOKS - 'more than big yellow gear hire'.



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Access Sales Boom Higher

In the last 12 months, Brooks Access has grown exponentially. A division of the Brooks group of companies, Brooks Access has forged its own path in the access industry becoming a leading supplier of access equipment for both hire and sales.

In January to February of 2023 alone, Brooks Access took stock of thirteen new machines for their hire fleet and sold twenty-two from their showroom floor.

Sitting down with Brooks Access General Manager, Claire Harrison, we discuss the industry and rapid growth of the company.

"We've worked really hard to get to the point that we're at today," reflects Claire, "able to provide customers with machines at extremely competitive prices and time frames."

Growth of the company has seen a large stock of new inventory arriving for sale, including an extensive range of straight booms, articulated booms, scissor lifts, telehandlers, forklifts, and cranes. These, from leading suppliers, including: JLG, Genie, Haulotte, Merlo, Kalmar, Franna, and JCB.

Beyond the large range of stock available on the floor, there's notable recognition towards the importance of client experience.

"Being a small team, we're dedicated to delivering a personalised service, past what other companies are able to provide," shares Claire. "Customers can walk into the yard and buy the equipment right then and there."

This desire to provide customers with exactly what they're after, runs deep in the roots of Brooks, being a 100% family owned and operated group of companies. Where a particular piece of equipment might not be available directly from an OEM supplier, Brooks Access source the machine from alternative suppliers, in record

"Strong relationships in the industry provides our team with leveraged purchasing power and the capacity to purchase brand new equipment as our clients require it," Claire explains.



Working with clients Australia-wide, among the elevated work platforms sold, are:

- 1x Haulotte Star6 vertical mast lift to Whitsundays, QLD
- 5x Genie GS-1432m scissor lifts to WA, VIC, NSW, & QLD
- 3x JLG R1932 scissor lifts to the South West, WA
- 1x Genie Z-30/20N RJ knuckle boom lift to Darwin, NT
- 1x Genie Z-62/40 to the Pilbara, WA
- 1x Merlo 40.17 telehandler, 1x Manitou MI-X 100 D forklift, and 1x Genie GS-2669RT scissor lift to Perth, WA

Customer feedback reflects the team's commitment to service. with a client who purchased a scissor lift, telehandler, and forklift for their Perth-based business, sharing: "The team at Brooks Access set the benchmark when it comes to purchasing access equipment. They presented us options from many suppliers (some of which we hadn't considered) in a very short space of time to come up with a solution that best suited our needs and our budget. They are so friendly and willing to help with the technical support to back up the products they sell. We trust the team at Brooks and will confidently continue to buy from them."

Looking to the future and an end goal of attaining zero emission operations, Brooks Access are integrating hybrid and fully electric boom lifts into their fleet for sale. Included in the stock of new machines acquired, are the Genie Z45 FE and Genie Z-60 FE articulated boom lifts

Both models are 4WD with 45% gradeability, and are equipped with Genie's dual parallelogramme system and fully proportional controls for precise boom positioning and smooth performance. Offering two modes of operation: all-electric, and Hybrid, and carrying a high-efficiency AC drive system, the machines provide enhanced driving performance and simplified maintenance.

30km of metro areas. Additionally, in-house financing on machines is available through Brooks Finance, allowing the process to be fully customisable to each individual customers' requirements.

Brooks Access' equipment and elevated work platforms are

available for hire or sale, from their Australia-wide branches in Perth, Sydney, Melbourne, Brisbane, Adelaide, Darwin, Bunbury, Kalgoorlie, Newman, Karratha, Port Hedland, Mackay, Toowoomba, Dalby, Albany, and Port Augusta. Delivery can be facilitated to any jobsite in Australia, making the purchasing process even simpler.

The full range of Brooks Access equipment can be viewed on their website:

www.brooksaccess.com.au



available for pre-order now.

When purchasing through Brooks Access, all machines come with an annual inspection and option to add 2-year fixed price servic-

Help line, remote monitoring & management assistance is

available 24 hours a day, 7 days a week, and a team of trade quali-

fied technicians and hire coordinators are on standby for

around-the-clock service with onsite servicing available within





Brooks Makes Top 10

Genmac Distributor Awards

Brooks Equipment Sales has been recognised by Genmac Power Products as one of their top 10 distributors worldwide.

Genmac is an Italian manufacturer of quality generating sets since 1983. Their products are silent, reliable, and durable. Brooks Equipment has imported a range of Genmac generators and light towers, and is selling them throughout their 20 Australia-wide branches. The brand has become so popular with Australian customers, that Brooks Equipment was named as a worldwide Top 10 Distributor. In January, Genmac Export Manager, Caterina Beltrami, flew in from Bologna, Italy to present Brooks with the award.

"The fact that Australian companies are coming back to us to buy multiple Genmac units, is a testament to their performance," said Nathan Fenemer. "Our customers know that when they purchase a Genmac from Brooks, it's going to be reliable."

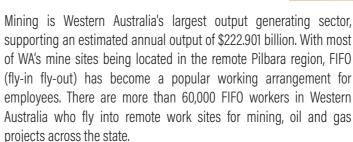
Brooks Equipment has a range of Genmac generators from 5kVA to 300kVA, as well as Winky and Bellatrix light towers. This equipment is on the showroom floor and is available anywhere in Australia.





FIFO Flights Take Off

Brooks Airways Services the Mines



This year, Brooks Airways expanded their services to cater to the ever growing needs of the mining industry by offering FIFO flights and air freight. This service is available from their Perth Airport base, to anywhere in Australia, and even internationally.



Brooks Airways owns thirteen aircraft in total, seven King Air Turbo Props, and six Learjets. The King Airs are perfect for FIFO flights to remote locations. They have a cruising speed of 580km per hour, and the ability to land at remote airstrips that are unaccessable to other commercial aircraft. The Learjets excel when it comes to long distance travel. Fitted with long range fuel tanks, they can fly up to 4,500km, reaching any destination in Australia without a fuel stop.

When travelling with Brooks Airways, FIFO workers have the luxury of free parking, and the use of their comfortable departure lounge with kitchen and bathroom facilities. Mining companies can hire Brooks Airways for one off charters, or regular scheduled FIFO flights.

Leeuwin Estate Lunch Charter



Escape on your private charter down the coast to Margaret River and enjoy the ultimate 'Farm to Fork' Lunch and Wine Package at the glorious Leeuwin Estate.

- 10:30 Meet for a glass of champagne at our first class departure lounge.
- 11:00 Board your private flight to Margaret River.
- 12:00 Sit down to enjoy a seasonal three course meal (choice at each course) with paired current release wines.
- 16:00 Depart Leeuwin Estate.
- 16:45 Arrive back to Perth Airport.

FROM \$699

PER PERSON*



Creating Civil Diversity



Oaks Civil Construction Empowers Aboriginal People

Oaks Civil Construction ('Oaks') is a 100% Aboriginal owned and operated civil construction, traffic management and workforce solutions business, founded by Jarrad Oakley Nicholls in 2019. Oaks commenced in Geraldton, within the Midwest Gascoyne region of WA and quickly expanded to service delivery across the Perth Metropolitan area as well.

In this edition, we caught up with Oaks' Founder, Jarrad, to reflect on his mission, and the evolution of his business. Jarrad is a proud Aboriginal man with family and cultural ties to Malgana & Amangu (Yamatji), Wiradjuri (Koori), Southwest Boojarah & Whadjuk (Noongar) and Kija (East Kimberley's) traditional owner groups.

What prompted you to open your own Civil Construction company?

With a decade of experience in Aboriginal employment services and business development, I gained a broad network through working with construction leaders across civil, mining and government to provide employment opportunities to long term unemployed people.

I was continously seeing a gap, and a revolving door of the people we were placing into work, returning after a few months. In 2019, I decided to start a business that employed, and was an entry point to a industry that has the ability to provide sustainable employment. That was the start of Oaks Civil Construction. My goal was to create positive employment opportunities for Aboriginal people and the local community. Furthermore, I wanted to drive a quality and safety focused business that leads by example for the civil construction industry, and set the standard for Aboriginal businesses.



Oaks has grown significantly since its opening in 2020. How did you achieve such quick success?

Oaks formed through the acquisition of assets of an established traffic management business in Geraldton. Since then, we have established a new branch in Perth, added a new fleet and grown our workforce to over 100 employees.

Our growth came from the demand through the construction industry. Even though we started at the begining of a pandemic, we supplied a highly required resource that thrived through this time. This fast tracked the business, and helped us build experience and knowledge, building a reliable brand and reputation.



What benefits have you experienced by promoting a diverse workforce?

Diversity within our team has encouraged great commitment and loyalty, along with a sense of belonging. We promote a healthy workplace based on teamwork, respect, quality, safety, and diversity. Integrity and trust is a non-negotiable quality we drive to guarantee unity across our workforce, and carry through to our services.



Oaks Civil is known for their community involvement. Why is this so important to you?

Supporting and assisting others to achieve their goals and asperations! There is nothing better then seeing the change employment can do for people on so many different levels. Being a 100% owned and operated Aboriginal business, there is a much great expectation around social impact and a willingness to support and assist our communities to make changes on a number of social levels.

Where do you see Oak Civil in 5 years from now?

In 5 years time, I would expect to see Oaks delivering on larger scaled work packages, both self delivering, and subcontracting specific works, with an aim to having a profitable business structure that still gives back to the community.

If you'd like to know more about Oaks Civil Construction, visit www.oakscivilconstruction.com.au



New Equipment

THE BROOKS FLEET OF ASSETS

2023 is kicking off strong with plenty of big yellow gear rolling into our yards. We've also got new light vehicles, pumps, trucks, and access equipment. Sales are going strong for access and Sany.

Komatsu D65EXi-18 Bulldozer This 24t Bulldozer arrived in Brooks Welshpool yard in January, was sent out a few days later for its first job in Bunbury.



These new mine spec'd high head, pit dewatering pumps, have landed! 80/180 Cornell wet end pump with duplex impeller.















CAT CS78B Smooth Drum Vibe Roller





Mitsubishi Triton 4x4 - Steel Tray Utes



Genmac Bellatrix 4 x 320W LED Light Towers

Two new Volvo FH13 6x4 Prime Movers were delivered to Perth in February. One of these was decorated in an original artpiece by Indigineous artist, Danielle Champion. Meanwhile, we also took delivery of a brand new tri-axle plant trailer, and an Isuzu tilt tray truck.









BROOKS

Kicking off 2023 with a bang, Sany piling rigs have landed at Brooks Equipment and are now available for sale! Chief Operating Officer, Josh Willet, snapped a picture with the first Sany SR125 piling rig as it arrived at our Queensland branch. These are available for sale anywhere in Australia. We've also had plenty of new Sany excavators and Genmac generators, arrive at our WA and NT branches. Sany is now in the Top 3 selling brands of crawler excavator in Western Australia!

















Brooks Access has been very busy taking delivery of a wide range of scissor lifts, boom lifts, and telehandlers. Some of these machines are allocated to the ever growing hire fleet, however, we also have a strong range of floorstock for











34ft Genie Z34/22 IC Articulated Boom 80ft Haulotte HA26 RTJ Pro Artic. Boom

OBE Appreciation Dinner

On 16th December 2022, Brooks were lucky enough to attend Olive Branch Enterprise's Appreciation Dinner. The event was held at the University Club of Western Australia and featured some great entertainment by the Champion family kids.











ACBC New Year Gala

Happy Year of the Rabbit! As Silver Sponsors of the Australian Chinese Business Council (ACBC), Brooks Hire was proud to attend their New Year Gala on Friday, 3rd February.











TSBE Industry Classic



Brooks Hire were Hole Sponsors at the Toowoomba and Surat Basin Enterprise Industry Classic golf day, held on Friday, 24th February. Madison James, BJ Schwerin, David Morrow, and Rob Baryla were out in force representing, the Brooks team.



AOG Energy Conference

Michael O'Grady was representing Medical Air and Brooks Airways at the AOG Energy Conference held at Perth Exhibition Centre from 15th to 17th, March 2023.

AOG Energy is held annually in the energy hub of Australia, Perth. For over 40 years it has brought the entire oil, gas and energy supply chain together as a platform for discovering innovation, capabilities and opportunities, supported by major operators, government and industry.

Medical Air and Brooks Airways provide medEvac and FIFO flight contracts to the oil, gas, and energy industry.





Dyno Nobel Golf Day

On Friday, 10th March, Dyno Nobel held a golf day to raise money for Beyond Blue. Beyond Blue is an Australian mental health and wellbeing support organisation. They provide support programs related to depression, suicide, anxiety disorders and other related mental illnesses. Brooks Access and Brooks Site Services were joint Silver Sponsors for the event which raised \$50,000.

Sydney Build Expo

Brooks Hire joined over 500 exhibitors at the Sydney Build Expo, held on the 6th and 7th March, 2023. Australia's largest construction expo featured 9 Stages - Future of Construction, Digital Construction, Construction Safety, Architecture, Sustainability, Infrastructure and more.



Brooks Hire had two machines on display by special request of the Sydney Build organ-





March was definitely the season to be golfing in WA. The WA Mining Club held their annual President's Cup Day on Friday, 3rd March. Gary Bushell, Michael O'Grady, Jacinta Pickering, and Mitch Foxon were playing for Brooks on the day.





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National Apprenticeship Week

The 13th to 19th February 2023, was National Apprenticeship Week - bringing together the entire apprenticeship community to celebrate everything that is amazing about apprenticeships. The theme for this year was 'Skills for Life'.

Driving strategies for a sustainable future, Brooks has approached the national skills shortage with a vision to not only improve our own workforce, but to provide skilled workers to the Australian labour pool. Our apprenticeship programs have seen our employees graduate to qualified trades people, adding to our national skilled workforce. Brooks currently has 38 apprentices throughout Australia.

We haven't got photos of them all, but "thank you" to all of our hardworking apprentices and trainees.













Albany Sundowner

On Wednesday, 22nd February, to celebrate the expan-







International Women's Day

On Wednesday, 8th March, Brooks celebrated International Women's Day - a global day celebrating the social, economic, cultural, and political achievements of women. The day also marks a call to action for accelerating women's equality. Celebrating women's achievements and increasing visibility, while calling out inequality, is key.

The theme for IWD 2023 was wear purple, and Embrace Equity. It was great to see all of our staff supporting the day, and recognising the contribution that women are making to our workplace.





















sion of Brooks Access, our Albany branch put on a 'Sundowner' BBQ. Customers from the Great Southern region were invited to join us at the branch for a sausage sizzle and tasty beverage. It was a great way to come in and see the new equipment that we have available in a relaxed atmosphere.

Welcome Aboard

Lea Clarke

What was your first job: Butcher's Assistant (lacky).

What is your role at Brooks: Sales Representative - Brooks Equipment, Perth.

What achievement in life are you most proud of: Setting up life and building a family in Australia.



How would you describe yourself in 3 words: Passionate, Trustworthy and Fun.

Where would we find you on the weekends: Son's AFL or the beach and cafe.

What is something that you're really good at: Singing.

What is something that you're really bad at: Ice Skating.

If you could invite anybody to dinner (dead or alive), who would it be: Ricky Gervais.

You're going to a Superhero party, who do you dress up as: Austin Powers.

Favourite Cake: Potato cakes with salt.

Favourite song: 'So Caught Up' by Teskey Brothers.

Favourite holiday destination: Greece and Thailand.

Khong Leong Tam

What was your first job:

Practising architect.

What is your role at Brooks: Property Manager, Perth.

What achievement in life are you most proud of: Knowing you.

How would you describe your-

self in 3 words: Happy, Upset, Look forward.

Where would we find you on the weekends: Golf courses.

What is something that you're really good at: Problem solving.

What is something that you're really bad at: Drive below speed

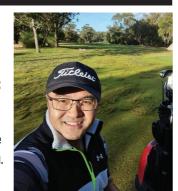
If you could invite anybody to dinner (dead or alive), who would it be: You.

You're going to a Superhero party, who do you dress up as:

Favourite Cake: Tiramisu.

Favourite song: 'It's My Life' by Bon Jovi.

Favourite holiday destination: Japan.



Meet the Team

Vinny Yap

Vinny joined the Brooks Hire team in October 2011, and is fast approaching 12 years with the business. Starting in an Adminstrative role, Vinny has worked hard to navigate her way up to become our Chief Procurement Officer. Vinny is lots of fun to work with and is very well respected by staff and management.

What has been your favourite aspect of working with **Brooks:** Variety of growth opportunities to pursue a career.

What was your first job: Nurse.

What did you want to be when you were growing up: Doctor.

What is your role at Brooks Hire: Chief Procurement Officer.

What achievement in life are you most proud of: Attained Sany Dealership for Brooks in WA, NT & QLD.

How would you describe yourself in 3 words: Loyal, Truthful, Can Do Attitude.

Where would we find you on the weekends: Yoga studio, beauty salon, and acupuncture.

What is something that you're really good at: Cooking.

What is something that you're really bad at: Being a housewife hahaha.

If you could invite anybody to dinner (dead or alive), who would it be: Mv Dad.

You're going to a Superhero party, who do you dress up as: Catwoman.

Favourite type of cake: Pandan souffle cake.

Favourite Song: 'Jai Deux Amour' by Chantal Chamberland.

Favourite Holiday Destination: Somewhere warm.





2 tbsp Olive oil

2 tsp Soy sauce

1 Lemon, sliced

4 tsp Honey

Ingredients:

½ tsp Salt

Sauce

2 tsp Butter

2 tsp Water

4 x Fresh skin on salmon fillets

Freshly ground black pepper

4 cloves Garlic minced

1 tsp Lemon juice



Gina's Kitchen

Honey Garlic Glazed Salmon

Vinny's been too busy filling out questionnaires and buying new machines to do any cooking! This edition, Vinny's Asset Administrator, Gina Liew, has cooked up something vummy for us.

- 1. Marinate the salmon: Pat salmon dry with paper towel, then season with salt, pepper, paprika and place into a zipped food storage bag or container. Set aside.
- 2. Sauce: In a medium bowl, whisk together honey, soy sauce, lemon juice & water. Set aside.
- 3. Use a frying pan over medium-high heat, heat two tablespoons oil. Add salmon, skin-side down and cook 4-5 minutes until the skin is deeply golden, then flip over.
- 4. Add butter and garlic to the pan and cook until fragrant. Add the honey mixture & sliced lemons and cook until sauce is reduced by about 1/3. Baste frequently with sauce from the pan by spooning it over the top of the salmon.
- **5.** Garnish with lemon wedge and chopped parsley to serve.



Alison Wilkes

What was your first job:

While I was still at school, I worked in a Still Room in a restaurant (Google that!).

What is your role at Brooks:

People and Wellness Officer, Perth.

What achievement in life are you most proud of: Moving to Australia, having my children.

How would you describe yourself in 3 words: Kind, Savvy, and Loyal.

Where would we find you on the weekends: With my family, at the park, with friends.

What is something that you're really good at: Remembering kindness.

What is something that you're really bad at: Drawing.

If you could invite anybody to dinner (dead or alive), who would it be: My Mum.

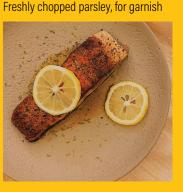
You're going to a Superhero party, who do you dress up as: Nah, I don't like Marvel/DC.

Favourite Cake: The fat free one.

Favourite song:

At the moment, 'Unholy' by Sam Smith.

Favourite holiday destination: Thailand.



Jack Dell - Dalby, QLD

Snap That

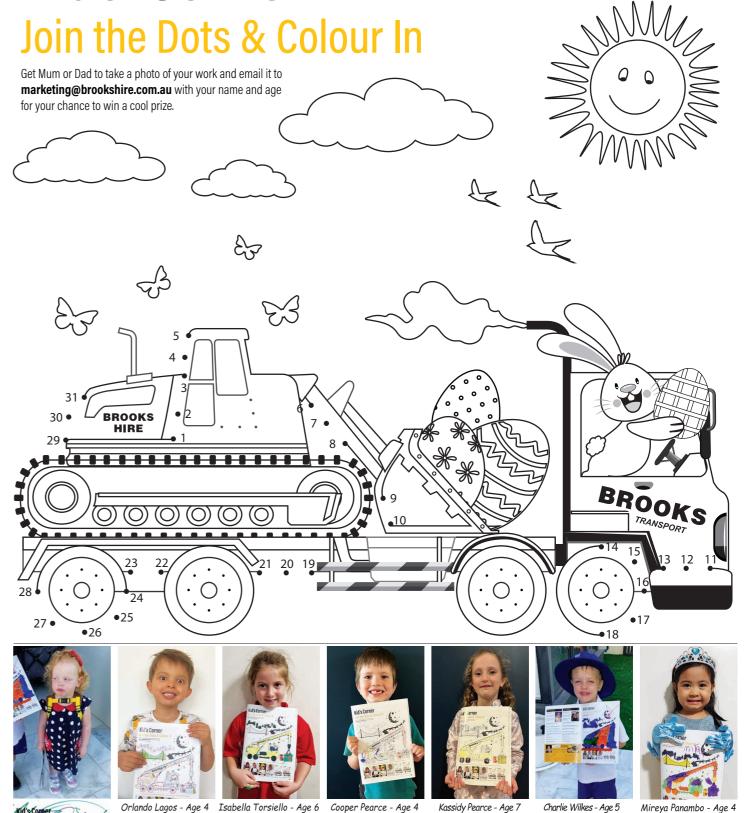
STAFF PHOTOGRAPHY COMPETITION







Kids' Corner



Congratulations to all of the winners from our last edition. You will all be receiving a prize in the post.

The Puzzler Page

Spot the Difference

There are 10 differences between the photos below. See if you can find them all.





Word Solver

Find the 9 letter word using the letters in the grid, then try to make as many other words as you can. Words must be a minimum of 4 letters and must contain the middle letter. No proper nouns or plurals. Very Good - 20 Words Excellent - 25 or more

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Crossword

| ACIUSS | |
|--------------------------------|------------------------|
| 1. Drinks slowly | 46. Artist Magritte |
| 5. Aide: Abbr. | 47. Welles or Bean |
| 9. Machu Picchu builders | 49. Hearing organs |
| 14. Correct mistakes in | 51. Gave to charity |
| 15. Ness, for one | 53. Seafood selection |
| 16. Ship's load 17. Unassisted | 57. Set afire |
| 18. Miles away | 58. Rainbow shape |
| 19. Web correspondence | 59. Pre-color computer |
| 20. London press locale | display |
| 23. Sunshine State: Abbr. | 64. Game with numbered |
| 24. Water: dental gadget | balls |
| 25. School term | 66. Gen. Robert |
| 27. Adam's apparel? | 67. Mystical glow |
| 31. "Shoo, Tabby!" | 68. Take an oath |
| 32. Bordeaux bye-bye | 69. "Gimme a break!" |
| 33. Lariat material | 70. Bed with bars |
| 35. Once around the sun | 71. Conductor Previn |
| 39. Court arbiter | 72. Author Christian |
| 40. Little tykes | Andersen |
| 43. Lager kin 44. Spouse | 73. A looooong time |

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Down

| . Women's fitness | 8. Like some old bikes |
|-------------------------|-------------------------------|
| nagazine | 9. Summer cooler |
| . Fan club's focus | 10. '60s conflict site |
| 8. Knotty wood | 11. Manual skill |
| I. Bell tower | 12. Like a gymnast |
| i. "Seward's Folly" | 13. Alternative power type |
| ourchase | 21. Traffic jam 22. Show host |
| 6. Lenient, as on crime | 26. Pig's place |
| Surgery souvenirs | 27. Old MacDonald's place |
| | |

28. Notion 29. Special talent 30. First Amendment guarantee 34. Hold the deed to 36. Word after Near. Middle or Far 37. Burn balm 38. Rip apart 41.2 + 2 = 5, e.g.

42. Part of SST 45. Moray, e.g. 48. Daily grind 50. 2000 presidential candidate 52. Mary-Kate and Ashley 55. Played a role

56. 1965 civil rights march site 60. Broadway gas 61. Currency on the Continent 62. "___ Brockovich"

53. Cancún condiment 63. Runs in, as a perp 54. Sovereign's headpiece 65. Roofing material

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| 1 | 3 | 9 | | 8 | 2 | | 6 | |
| 6 | | | | | | | 8 | |
| 7 | | 2 | | | | | | 1 |
| | | | 9 | | 4 | | | |
| 8 | | | | | | 9 | | 6 |
| | 8 | | | | | | | 5 |
| | 5 | | 1 | 4 | | 2 | 9 | 7 |
| | 1 | | | 9 | | | 3 | |

Brain Teasers

There are 20 people in an empty, square room. Each person has full sight of the entire room and everyone in it without turning his head or body, or moving in any way (other than the eyes). Where can you place an apple so that all but one person can see it?



I am four times as old as my daughter. In 20 years time I shall be twice as old as her. How old are we now?

How do you make the number 7 even without addition, subtraction, multiplication, or division?

You have me today, Tomorrow you'll have more; As your time passes, I'm not easy to store; I don't take up space, But I'm only in one place; I am what you saw, But not what you see. What am I?

Equipment Hire List



| CATEGORY | MAKE | MODEL | ENGINE | WEIGHT |
|-------------------|-------------|-------|-----------------------------|-----------|
| 1.5m³ | Komatsu | WA150 | 74 kW 99 HP @ 2000 rpm | 7.5 Tonne |
| 2.1m³ | Caterpillar | 930K | 110 kW @ 1600 rpm | 13 Tonne |
| 2.5m³ | Komatsu | WA250 | 124 kW 166 HP @ 2000 rpm | 14 Tonne |
| 3.1m³ | Komatsu | WA320 | 124 kW 166 HP @ 2000 rpm | 14 Tonne |
| 3.5m ³ | Komatsu | WA380 | 140 kW 187 HP @ 2000 rpm | 16 Tonne |
| 3.75m³ - 4m³ | Komatsu | WA430 | 173 kW / 232 HP @ 2.100 rpm | 18 Tonne |
| 3.4m³ | Caterpillar | 950M | 187 kW 250 HP | 20 Tonne |
| 3.6m³ | Caterpillar | 962M | 185 kW 248 HP | 20 Tonne |
| 4m³ - 5m³ | Komatsu | WA470 | 204 kW / 274 HP @ 2.000 rpm | 23 Tonne |
| 5m³ | Komatsu | WA480 | 223 kW / 299 HP | 25 Tonne |
| 4m³ - 5m³ | Volvo | L150G | 210 kW / 1400 rpm | 25 Tonne |
| 4.7m³ - 6.4m³ | Komatsu | WA500 | 266 kW / 357 HP @ 1900 rpm | 32 Tonne |
| 5.6m³ | Caterpillar | 980M | 278 kW | 30 Tonne |
| 5.6m³ | Caterpillar | 982M | 278 kW @ 1800 rpm | 35 Tonne |
| 5.6m ³ | Hitachi | ZW370 | 289kW @ 1800 rpm | 35 Tonne |
| 6.4m³ | Caterpillar | 988K | 403 kW | 51 Tonne |
| 6.4m³ | Komatsu | WA600 | 395 kW / 529 HP @ 1800 rpm | 55 Tonne |
| 7m³ | Volvo | L260H | 309 kW / 420 HP | 34 Tonne |
| 13m³ | Komatsu | WA900 | 638 kW / 856 HP | 107 Tonne |



Tool Carriers

| CATEGORY | MAKE | MODEL | ENGINE | WEIGHT |
|---------------------------------------|---------|-----------|--------------------------|------------|
| 2.2m³ - 2.3m³ | Komatsu | WA250PT | 104 kW 140 HP / 2000 rpm | 10 Tonne |
| 2.2m³ - 2.3m³ | Komatsu | WA250PZ | 103 kW 138 HP @ 2000 rpm | 12 Tonne |
| 1.9m³ - 2.7m³ | Komatsu | WA270 | 111 kW 149 HP @ 2000 rpm | 13 Tonne |
| 2.5m³ - 2.7m³ | Komatsu | WA320-8 | 123 kW/165 HP @ 2100 rpm | 15 Tonne |
| 2.5m³ - 2.7m³ | Komatsu | WA320PZ-6 | 125 kW / 167 HP | 15 Tonne |
| 2.5m ³ - 2.7m ³ | Volvo | L90F | 129 kW @ 1700 rpm | 16 Tonne |
| 3m³ | Volvo | L110F | 170 kW @ 1700 rpm | 19 Tonne |
| 3.1m3 | Hitachi | ZW180-5 | 126 kW @ 1500 rpm | 14.5 Tonne |
| 3.5m ³ | Volvo | L120F | 180 kW @ 1700 rpm | 20 Tonne |
| 4.2m³ | Volvo | L150F | 209 kW @ 1400 rpm | 23 Tonne |
| 4.4m³ | Volvo | L180F | 234 kW @ 1400 rpm | 26.6 Tonne |
| 5.2m³ | Volvo | L220H | 279 kW 379 HP @ 1400 rpm | 32.8 Tonne |



Excavators

| CATEGORY | MAKE | MODEL | ENGINE | BUCKET CAPACITY |
|---------------------|-------------|-------------|-------------------------------|---------------------|
| I.5 Tonne | Komatsu | PC14R | 11,6 kW / 15,6 HP @ 2.600 rpm | 0.03m³ |
| .75 Tonne | Sany | SY16C | 14.6 kW @ 2400 rpm | 0.04m ³ |
| .8 Tonne | Caterpillar | 301.8 | 16.1kW / 19.2 HP @ 2,400 rpm | 0.033m ³ |
| I.85 Tonne | Sany | SY18C | 14.6 kW @ 2400 rpm | 0.04m ³ |
| 2.26 Tonne | Caterpillar | 302 | 15.7kW / 21 HP @ 2,400 rpm | 0.054m ³ |
| 2.76 Tonne | Sany | SY26U | 14.6 kW @ 2400 rpm | 0.06m ³ |
| 3 Tonne | Komatsu | PC30MR | 22,0 kW / 29,5 HP @ 2.400 rpm | 0.09m³ |
| 3 Tonne | Hitachi | ZX33 | 21.2 kW (28.4 HP) | 0.09m ³ |
| 3.85 Tonne | Sany | SY35U | 18.2 kW @ 2400 rmp | 0.12m ³ |
| 5 Tonne | Komatsu | PC55MR | 29.1 kW 39 HP/2400 rpm | 0.15m ³ |
| 5 Tonne | Komatsu | PC45MR | 29.1 kW 39 HP/2400 rpm | 0.15m ³ |
| 5 Tonne | Komatsu | PC40MR | 29.4 kW 39.4 HP/2350 rpm | 0.15m ³ |
| 5.3 Tonne | Sany | SY50U | 29.1 kW @ 2400 rpm | 0.15m ³ |
| 6.1 Tonne | Sany | SY60C | 42.4 kW / 56.9 HP | 0.21m ³ |
| 7.28 Tonne | Sany | SY75C | 43 kW / 57.7 HP | 0.28m ³ |
| 8 Tonne | Komatsu | PC78MR | 40,5 kW / 54 HP @ 1.850 rpm | 0.28m ³ |
| 8.5 Tonne | Komatsu | PC88MR | 50.7 kW 68 HP @ 1950 rpm | 0.34m ³ |
| | | | | |
| 8.8 Tonne | Sany | SY80U | 53.7 kW @ 2100 rpm | 0.28m ³ |
| 9 Tonne | Caterpillar | 308CR | 52.4kW / 70.3 HP @ 2,200 rpm | 0.23m³ |
| 9.1 Tonne | Sany | SY95C | 53.7 kw / 72 HP | 0.4m ³ |
| 14 Tonne | Komatsu | PC138US | 72.1 kW / 96.6 HP @ 2200 rpm | 0.53m ³ |
| 14 Tonne | Komatsu | PC160LC | 90 kW / 121 HP @ 2200 rpm | 0.6m ³ |
| 14 Tonne | Hyundai | R140LC | 84 kW / 113 HP @ 2,100 rpm | 0.6m ³ |
| 15.1 Tonne | Sany | SY135C | 78.5 kW @ 2000 rpm | 0.6m ³ |
| 16 Tonne | Sany | SY155U | 78.5 kw @ 1900 rpm | 0.06m ³ |
| 16 Tonne | Hitachi | ZX160LC | 90.2 kW / 122 HP @ 2,200 rpm | 0.73m ³ |
| 22 Tonne Zero Swing | Komatsu | PC228US | 116 kW 155 HP @ 2000 rpm | 1.0m ³ |
| 22 Tonne | Caterpillar | 320GC | 107 kW (143 hp) | 1.0m ³ |
| 22 Tonne | Caterpillar | 320DL | 103 kW / 140 HP @ 1800 rpm | 1.3m ³ |
| 22 Tonne | Hitachi | ZX210H | 122 kW (164 HP) | 1.00m ³ |
| 22 Tonne | Komatsu | PC200LC | 110 kW 147 HP / 2000 rpm | 1.2m ³ |
| 22 Tonne | Komatsu | PC210LCi | 118 kW / 158 HP @ 2000 rpm | 0.97m³ |
| 22 Tonne | Komatsu | PC210LC | 116 kW / 156 HP @ 2000 rpm | 1.68m³ |
| 22 Tonne | Komatsu | HB215LC | 110 kW / 148 HP @ 2000 rpm | 1.36m ³ |
| 22.6 Tonne | Sany | SY215C | 122 kw @ 2300 rpm | 0.93m ³ |
| 23 Tonne | Komatsu | PC220LC | 110 kW 147 HP / 2000 rpm | 1.26m ³ |
| 23 Tonne | Hitachi | ZX225USLC | 159 hp (118 kW) @ 2,000 rpm | 1.09m ³ |
| 30 Tonne | Volvo | EC290CLC | 153 kW (205 hp) | 1.2m ³ |
| 30 Tonne | Komatsu | PC270LC | 149 kW 200 HP / 2050 rpm | 1.25m ³ |
| 31.5 Tonne | | SY305H | | 1.7m ³ |
| | Sany | | 212 kW @ 2000rpm | |
| 33 Tonne | Hitachi | ZX330 | 247 HP (180 kW) | 1.4m³ |
| 33 Tonne | Hitachi | ZX350H | 184 kW (246 HP) | 2.00m³ |
| 34 Tonne | Komatsu | PC300LC | 194 kW 260 HP / 1950 rpm | 1.8m³ |
| 35 Tonne | Hitachi | ZX350LC | 202 kW / 271 HP | 2.1m³ |
| 36 Tonne | Komatsu | PC360LCi | 192 kW / 257 HP @ 1950 rpm | 1.96m³ |
| 36 Tonne | Komatsu | PC350LC | 194 kW / 260 HP @ 1950 rpm | 2.66m ³ |
| 36.7 Tonne | Sany | SY365H | 205 kW / 275 HP | 1.5m ³ |
| 37 Tonne | Caterpillar | 336 | 232 kW | 2.27m³ |
| 45 Tonne | Komatsu | PC450LC | 270 kW / 362 HP @ 1900 rpm | 2.8m³ |
| 54.5 Tonne | Sany | SY500H | 298 kW / 399.6 HP | 2.2m³ |
| 60 Tonne | Komatsu | PC600LC | 288 kW 386 HP @ 1800 rpm | 3.81m³ |
| 76.2 Tonne | Sany | SY750H | 377 kW @ 1800 rpm | 4.2m3 |
| 78.6 Tonne | Sany | SY870H | 377 kW @ 1800 rpm | 5.0m ³ |
| 80 Tonne | Komatsu | PC850-8E0SE | 370 kW 496 HP / 1800 rpm | 4.3m ³ |
| | Komatsu | PC800LC | 363 kW 487 HP @ 1800 rpm | 4.5m ³ |
| 85 Tonne | Kumalen | PLAULIT | | |

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Rollers

| CATEGORY | WEIGHT | MAKE | MODEL |
|-------------|-------------|-------------|-------------|
| Smooth Drum | 7 Tonne | Bomag | BW177DH |
| Smooth Drum | 11 Tonne | Dynapac | CA252D |
| Smooth Drum | 11 Tonne | Bomag | BW212D |
| Smooth Drum | 12 Tonne | Hamm | 3412 HT VIO |
| Smooth Drum | 12 Tonne | Caterpillar | CS64B |
| Smooth Drum | 12 Tonne | Bomag | BW213D |
| Smooth Drum | 12.5 Tonne | Caterpillar | CS56B |
| Smooth Drum | 12.7 Tonne | Dynapac | CA302D |
| Smooth Drum | 13.2 Tonne | Dynapac | CA362D |
| Smooth Drum | 12.6 Tonne | Bomag | BW213D |
| Smooth Drum | 14.3 Tonne | Caterpillar | CS68B |
| Smooth Drum | 15.7 Tonne | Hamm | 3516 |
| Smooth Drum | 16 Tonne | Caterpillar | CS74B |
| Smooth Drum | 16 Tonne | Caterpillar | CP76B |
| Smooth Drum | 16.1 Tonne | Bomag | BW216D |
| Smooth Drum | 17.89 Tonne | Hamm | 3518 |
| Smooth Drum | 18.7 Tonne | Caterpillar | CS78B |
| Smooth Drum | 19.3 Tonne | Dynapac | CA6000D |
| Smooth Drum | 19.8 Tonne | Hamm | 3520 |
| Smooth Drum | 20 Tonne | Caterpillar | CS79B |
| Padfoot | 12 Tonne | Caterpillar | CS12 GC |
| Padfoot | 12 Tonne | Caterpillar | CS56B |
| Padfoot | 12 Tonne | Bomag | BW211D |
| Padfoot | 12.6 Tonne | Bomag | BW213D |
| Padfoot | 13.2 Tonne | Dynapac | CA362D |
| Padfoot | 15.7 Tonne | Hamm | 3516P |
| Padfoot | 16.1 Tonne | Bomag | BW216PD |
| Padfoot | 17.6 Tonne | Caterpillar | CP76B |
| Padfoot | 17.89 Tonne | Hamm | 3518P |
| Padfoot | 18 Tonne | Dynapac | CA6000PD |
| Padfoot | 18.6 Tonne | Dynapac | CA602PD |
| Padfoot | 19.4 Tonne | Bomag | BW219PD |
| Padfoot | 19.8 Tonne | Hamm | 3520P |
| Multi Tyre | 18 Tonne | Hamm | HP280 |
| Multi Tyre | 18 Tonne | Caterpillar | CW34 |
| Multi Tyre | 18.3 Tonne | Hamm | GRW280 |
| Multi Tyre | 20 Tonne | Caterpillar | CW34 |
| Multi Tyre | 20 Tonne | Ammann | AP240 |
| Multi Tyre | 20 Tonne | Bomag | BW24RH |

| CATEGORY | WEIGHT | MAKE | MODEL |
|---------------|-----------|-----------------|-----------|
| Multi Tyre | 20 Tonne | Bomag | BW25RH |
| Multi Tyre | 24 Tonne | Caterpillar | CW34LRC |
| Double Drum | 765 Kg | Husqvarna | LP 6505 |
| Double Drum | 1 Tonne | Husqvarna | LP 7505 |
| Double Drum | 2.5 Tonne | Caterpillar | CB2.7 |
| Double Drum | 2.6 Tonne | Hamm | HD12VV |
| Double Drum | 2.8 Tonne | Bomag | BW120AD |
| 3 Pin Static | 14 Tonne | Aveling Barford | DC014 |
| Trench Roller | 1,340 Kg | Ammann | 1575 |
| Trench Roller | 1,495 Kg | Wacker Neuson | RTX-SC3 |
| Trench Roller | 1,595 Kg | Dynapac | D.ONE 850 |
| Trench Roller | 1,675 Kg | Husqvarna | LP9505 |



Compactors & Tampers

| CATEGORY | WEIGHT | MAKE | MODEL |
|------------------|--------|-----------|------------|
| Tampers | 98kg | Husqvarna | LT800 |
| Plate Compactors | 185kg | Husqvarna | LG164 |
| Plate Compactors | 244kg | Husqvarna | LG204 |
| Plate Compactors | 302kg | Husqvarna | LG300 |
| Plate Compactors | 436kg | Husqvarna | LG400 |
| Plate Compactors | 500kg | Bomag | BPR 70/70D |
| Plate Compactors | 500kg | Dynapac | LG500 |
| Plate Compactors | 750kg | Bomag | BPR 100/80 |
| Plate Compactors | 750kg | Dynapac | LH700 |
| Plate Compactors | 800kg | Husqvarna | LH804 |



Compressors

| ТҮРЕ | AIR FLOW | DRY WEIGHT | PRESSURE |
|---------|-----------|------------|----------|
| Trailer | 127 cfm | 700 kg | 7 bar |
| Trailer | 176.5 cfm | 800 kg | 7 bar |
| Skid | 185 cfm | 950 kg | 7 bar |
| Trailer | 251 cfm | 1400 kg | 7 bar |
| Skid | 400 cfm | 1920 kg | 10 bar |
| Trailer | 423 cfm | 2000 kg | 7 bar |
| Trailer | 530 cfm | 2600 kg | 10 bar |
| Trailer | 893 cfm | 3700 kg | 8 bar |
| Trailer | 938 cfm | 5300 kg | 12 bar |
| Trailer | 1020 cfm | 5300 kg | 10.3 bar |
| Trailer | 1102 cfm | 5300 kg | 8.6 bar |



Graders

| CATEGORY | MAKE | MODEL | WEIGHT |
|------------------|-------------|----------|------------|
| 12' Motor Grader | Caterpillar | 120M | 14.5 Tonne |
| 12' Motor Grader | Komatsu | GD555 | 8 Tonne |
| 14' Motor Grader | Caterpillar | 140M | 18.4 Tonne |
| 14' Motor Grader | Caterpillar | 140M AWD | 18.4 Tonne |
| 14' Motor Grader | Caterpillar | 140H | 18.4 Tonne |
| 14' Motor Grader | Caterpillar | 140G | 18.4 Tonne |
| 14' Motor Grader | Caterpillar | 150 AWD | 19.8 Tonne |
| 14' Motor Grader | Komatsu | GD655 | 18.5 Tonne |
| 14' Motor Grader | John Deere | 770G | 19.3 Tonne |
| 14' Motor Grader | John Deere | 672G | 20 Tonne |
| 14' Motor Grader | John Deere | 772GP | 20.5 Tonne |
| 16' Motor Grader | John Deere | 872GP | 21.6 Tonne |
| 16' Motor Grader | Caterpillar | 16MQLR | 30 Tonne |
| 24' Motor Grader | Caterpillar | 24 | 73 Tonne |



Dozers

| CATEGORY | MAKE | MODEL | BLADE WIDTH |
|------------|-------------|---------|-------------|
| 17.3 Tonne | Caterpillar | D6N | 4080mm |
| 17.7 Tonne | Caterpillar | D6H | 4486mm |
| 21 Tonne | Caterpillar | D6T XL | 3693mm |
| 21 Tonne | Caterpillar | D6T LGP | 3693mm |
| 27 Tonne | Caterpillar | D7 | 3988mm |
| 39.4 Tonne | Caterpillar | D8 | 5045mm |
| 70 Tonne | Caterpillar | D10T | 7416mm |



Dump Trucks

| | CATEGORY | PAYLOAD | MAKE | MODEL |
|---|-------------|----------|-------------|--------|
| | Articulated | 30 Tonne | Komatsu | HM300 |
| • | Articulated | 37 Tonne | Hitachi | AH400D |
| | Articulated | 40 Tonne | Komatsu | HM400 |
| | Articulated | 41 Tonne | Caterpillar | 745 |



Site Dumpers

| CATEGORY | PAYLOAD | MAKE | MODEL |
|--------------|---------|---------------|-----------|
| Side Tipper | 9 Tonne | Wacker Neuson | DV90 |
| Front Tipper | 9 Tonne | Thwaites | 9T Dumper |



Water Trucks

| CATEGORY | CAPACITY | MAKE | MODEL |
|-------------|----------|---------------|-------------------|
| Rigid | 14,000 L | Isuzu | FVZ 260-300 |
| Rigid | 14,000 L | Hino | 500 |
| Rigid | 15,000 L | Isuzu | FVZ 260-300 |
| Rigid | 15,000 L | Hino | 500 |
| Rigid | 15,000 L | Mercedes Benz | Axor |
| Rigid | 20,000 L | Isuzu | FYH 2000 8x4 |
| Rigid | 20,000 L | lveco | Trakker AD450 6x6 |
| Articulated | 16,000 L | JCB | Fastrac 185/65 |
| Articulated | 16,000 L | Chamberlain | C6100 |
| Articulated | 16,000 L | Mercedes Benz | MB Trac |
| Articulated | 26,000 L | Komatsu | HM300 |
| Articulated | 35,000 L | Komatsu | HM400 |



Service, Fuel & Tipper Trucks

| CATEGORY | CAPACITY | MAKE | MODEL |
|---------------|----------------|---------------|---------------|
| Service Truck | 8 Compartments | Isuzu | FVZ 260 - 300 |
| Service Truck | 8 Compartments | Hino | 500 |
| Fuel Trailer | 1,400 L | - | - |
| Fuel Trailer | 2,000 L | - | - |
| Fuel Truck | 14,000 L | Hino | 500 |
| Tipper Truck | 11m³ | Isuzu | FVZ 260-300 |
| Tipper Truck | 11m³ | Hino | 500 |
| Tipper Truck | 11m³ | Isuzu | FVZ 1400 |
| Side Tipper | 21m³ | Howard Porter | - |
| Side Tipper | 24m3 | Road West | - |



Backhoes

| DIG DEPTH | MAKE | MODEL | WEIGHT |
|-----------|-------------|-----------|-------------|
| 4.32m | JCB | 4CX | 8.178 Tonne |
| 4.8m | Komatsu | WB97R-5E0 | 7.6 Tonne |
| 4.883m | Caterpillar | 432E | 9.1 Tonne |
| 6.14m | JCB | 5CX | 10.6 Tonne |



Skid Steer Loaders

| CATEGORY | MAKE | MODEL | TIPPING LOAD (35%) |
|----------|-------------|---------|--------------------|
| Tracked | Bobcat | T140SJC | 635kg |
| Tracked | Caterpillar | 239D | 695kg |
| Tracked | Caterpillar | 249D | 790kg |
| Tracked | Caterpillar | 259D | 915 kg |
| Wheeled | Komatsu | SK714 | 650kg |
| Wheeled | Caterpillar | 226B | 680kg |
| Wheeled | Caterpillar | 246C | 975kg |



Telehandlers

| LIFTING WEIGHT | MAKE | MODEL | LIFTING HEIGHT |
|----------------|---------|------------|----------------|
| 3 Tonne | JCB | 531-70 | 7000mm |
| 3.2 Tonne | Manitou | MT732 | 6900mm |
| 3.5 Tonne | JCB | 535-95 | 9500mm |
| 4 Tonne | JCB | 541-70 | 7000mm |
| 4 Tonne | Merlo | TF42.7-100 | 9500mm |
| 4 Tonne | Manitou | MT-X 1440 | 13530mm |
| 4 Tonne | Manitou | MT-X 1840 | 17550mm |
| 6 Tonne | Merlo | P60.10EE | 9550mm |



Forklifts

| LIFTING HEIGHT | MAKE | MODEL | LOAD CAPACITY |
|----------------|--------|----------|---------------|
| 3000 mm | Hyster | H4.0FT | 4 Tonne |
| 4000 mm | Hyster | H5.0FT | 5 Tonne |
| 5336 mm | Hyster | H8.00XM | 8 Tonne |
| 6200 mm | Hyster | H16.00XM | 16 Tonne |



Cranes

| MAKE | MODEL | WEIGHT | MAXIMUM BOOM LENGTH |
|--------|--------|-----------|---------------------|
| Franna | MAC 25 | 25 tonnes | 18.4m |



Articulated Boom Lifts

| HEIGHT | MAKE | MODEL | CATEGORY |
|--------|----------|---------------|---------------|
| 34 ft | JLG | H340AJ | Hybrid |
| 34 ft | Genie | Z34 / 22 N | Electric |
| 45 ft | JLG | 450AJ | Diesel |
| 45 ft | Genie | Z-45 XC | Rough Terrain |
| 51 ft | Genie | Z-51 / 30J RT | Rough Terrain |
| 62 ft | Genie | Z-62 / 40 | Rough Terrain |
| 80 ft | JLG | H800AJ | Hybrid |
| 80 ft | JLG | 800 AJ | Diesel |
| 80 ft | Haulotte | HA26 RTJ PRO | Diesel |
| 80 ft | Genie | Z-80 / 60 | Rough Terrain |
| 125 ft | JLG | 1250AJP | Diesel |
| 135 ft | Genie | ZX-135 / 70 | Rough Terrain |



Scissor Lifts



| 9 | | | | |
|--------|---------|------------|---------------|--|
| HEIGHT | MAKE | MODEL | CATEGORY | |
| 19 ft | JLG | ES1932 | Electric | |
| 19 ft | JLG | R1932 | Electric | |
| 26 ft | JLG | R2632 | Electric | |
| 26 ft | Genie | GS-2632 | Electric | |
| 26 ft | Genie | GS2669 RT | Rough Terrain | |
| 32 ft | JLG | ES 3246 | Electric | |
| 32 ft | JLG | R 3246 | Electric | |
| 33 ft | Genie | GS 3369 RT | Rough Terrain | |
| 33 ft | Genie | GS 3384 | Rough Terrain | |
| 33 ft | Snorkel | S3370 RT | Rough Terrain | |
| 40 ft | JLG | R 4045 | Electric | |
| 40 ft | Genie | GS-4069 RT | Rough Terrain | |
| 43 ft | Genie | GS-4390 | Rough Terrain | |
| 46 ft | Genie | GS-4655 | Electric | |
| 47 ft | JLG | ERT 4769 | Rough Terrain | |
| 53 ft | Genie | GS-5390 | Rough Terrain | |



Telescopic Boom Lifts

| HEIGHT | MAKE | MODEL | CATEGORY |
|--------|-------|-----------|---------------|
| 45 ft | Genie | S-45 XC | Rough Terrain |
| 65 ft | Genie | S65 XC | Rough Terrain |
| 80 ft | Genie | S-80 XC | Rough Terrain |
| 85 ft | Genie | S-85XC | Rough Terrain |
| 125 ft | Genie | SX-125 XC | Rough Terrain |
| 135 ft | Genie | SX-135 XC | Rough Terrain |
| 150 ft | Genie | SX-150 | Rough Terrain |



Generators

| POWER | OUTPUT | RUN TIME | WEIGHT |
|----------|---------|----------|----------|
| 5 kVA | 5.5 kW | 15 hours | 95 kg |
| 10 kVA | 8 kW | 35 hours | 700 kg |
| 20 kVA | 16 kW | 18 hours | 726 kg |
| 45 kVA | 36 kW | 12 hours | 1085 kg |
| 60 kVA | 48 kW | 10 hours | 1110 kg |
| 80 kVA | 64 kW | 11 hours | 1403 kg |
| 100 kVA | 80 kW | 14 hours | 1685 kg |
| 150 kVA | 120 kW | 9 hours | 2000 kg |
| 200 kVA | 160 kW | 10 hours | 2440 kg |
| 255 kVA | 204 kW | 9 hours | 2600 kg |
| 300 kVA | 240 kW | 7 hours | 3068 kg |
| 350 kVA | 280 kW | 11 hours | 4439 kg |
| 400 kVA | 320 kW | 9 hours | 4400 kg |
| 450 kVA | 360 kW | 9 hours | 4597 kg |
| 500 kVA | 400 kW | 8 hours | 4800 kg |
| 600 kVA | 480 kW | 11 hours | 5970 kg |
| 670 kVA | 536 kW | 10 hours | 5970 kg |
| 750 kVA | 600 kW | 3 hours | 9200 kg |
| 800 kVA | 640 kW | 3 hours | 10000 kg |
| 910 kVA | 728 kW | 3 hours | 11600 kg |
| 1035 kVA | 828 kW | 2 hours | 11680 kg |
| 1253 kVA | 1002 kW | 2 hours | 14100 kg |
| 1505 kVA | 1204 kW | 2 hours | 14050 kg |
| 1705 kVA | 1364 kW | 1 hours | 15500 kg |
| 2000 kVA | 1600 kW | 1 hours | 16000 kg |

^{*}All Generators under 100 kVA are available on trailers.



Diesel Pumps Highhead

| INLET SIZE | OUTLET SIZE | Q MAX | MAX HEAD |
|------------|-------------|-----------|----------|
| 100 mm | 75 mm | 40 L/sec | 200 m |
| 100 mm | 80 mm | 42 L/sec | 92 m |
| 150 mm | 75 mm | 50 L/sec | 150 m |
| 150mm | 100 mm | 80 L/sec | 180 m |
| 150 mm | 100 mm | 117 L/sec | 101 m |
| 200 mm | 150 mm | 167 L/sec | 101 m |
| 250 mm | 200 mm | 250 L/sec | 70 m |
| 250 mm | 200 mm | 408 L/sec | 109 m |
| | | | |



Diesel Pumps Surface Dewatering

| SIZE | Q MAX | MAX HEAD |
|---------------------|------------------|---------------------------------|
| 80 mm | 45 L/sec | 19 m open and silent option |
| 100 mm | 69 L/sec | 36 m open and silent option |
| 100 mm | 77 L/sec | 50 m open and silent option |
| 150 mm | 150 L/sec | 37 m open and silent option |
| 150 mm | 141 L/sec | 51 m open and silent option |
| All Pumps under 150 | mm size are avai | lable on trailers |
| 200 mm | 175 L/sec | 30 m open and silent option |
| 200 mm | 236 L/sec | 50 m open and silent option |
| 300 mm | 313 L/sec | 29.5 m open and silent option |
| 300 mm | 600 L/sec | 71 m open and silent option |
| _ | | · |



Submersible Pumps

| TYPE POWER | SIZE | Q MAX | MAX HEAD |
|---------------------|--------|-----------|----------|
| Dewatering 1 kW | 50 mm | 10 L/sec | 16 m |
| Dewatering 2 kW | 75 mm | 14 L/sec | 24 m |
| Dewatering 3.4 kW | 75 mm | 23 L/sec | 23 m |
| Dewatering 6.6 kW | 75 mm | 20 L/sec | 38 m |
| Dewatering 8.8 kW | 75 mm | 28 L/sec | 40 m |
| Dewatering 6.6 kW | 100 mm | 37 L/sec | 25 m |
| Dewatering 8.8 kW | 100 mm | 45 L/sec | 30 m |
| Dewatering 14 kW | 100 mm | 20 L/sec | 65 m |
| Dewatering 22 kW | 100 mm | 40 L/sec | 65 m |
| Dewatering 30 kW | 100 mm | 40 L/sec | 86 m |
| Dewatering 22 kW | 150 mm | 95 L/sec | 40 m |
| Sludge 3.7 kW | 75 mm | 20 L/sec | 13 m |
| Sludge 9 kW | 100 mm | 28 L/sec | 23 m |
| Sludge 11 kW | 100 mm | 42 L/sec | 24 m |
| Sludge 15 kW | 100 mm | 22 L/sec | 27 m |
| Sludge 37 kW | 100 mm | 80 L/sec | 50 m |
| Sludge 45 kW | 150 mm | 124 L/sec | 30 m |
| Sludge 75 kW | 150 mm | 155 L/sec | 48 m |
| Slurry 3.1 kW | 75 mm | 15 L/sec | 15 m |
| Slurry 5.7 kW | 100 mm | 25 L/sec | 23 m |
| Slurry 8 kW | 100 mm | 28 L/sec | 25 m |
| | | | |



Compressors

| TYPE | AIR FLOW | DRY WEIGHT | PRESSURE |
|---------|-----------|------------|----------|
| Trailer | 127 cfm | 700 kg | 7 bar |
| Trailer | 176.5 cfm | 800 kg | 7 bar |
| Skid | 185 cfm | 950 kg | 7 bar |
| Trailer | 251 cfm | 1400 | |
| Skid | 400 cfm | 1920 kg | 10 bar |
| Trailer | 423 cfm | 2000 kg | 7 bar |
| Trailer | 530 cfm | 2600 kg | 10 bar |
| Trailer | 893 cfm | 3700 kg | 8 bar |
| Trailer | 938 cfm | 5300 kg | 12 bar |
| Trailer | 1020 cfm | 5300 kg | 10.3 bar |
| Trailer | 1102 cfm | 5300 kg | 8.6 bar |



| Materials and Parts can be supplied at cost price + 20% |
|---|
| DN150 Standpipe clearance 4.2m |
| DN150 Standpipe clearance 4.8m |
| DN150 Standpipe clearance 5.2m |
| DN150 Standpipe clearance 5.8m |
| DN150 Standpipe clearance 6.5m |
| DN150 Standpipe clearance 8.6m |
| DN200 Standpipe clearance 4.2m |
| DN200 Standpipe clearance 4.8m |
| DN200 Standpipe clearance 5.2m |
| DN200 Standpipe clearance 5.8m |
| DN200 Standpipe clearance 6.5m |
| DN200 Standpipe clearance 8.6m |
| Hose & Cable Floats |
| HDPE pipe |
| Pontoons |
| Flow Meters |
| Suction Hose |
| Discharge Hose |
| Remote Monitoring |



Portable Buildings

| TYPE | SPECIFICATIONS | |
|----------------------------|---|--|
| Modified Containers | 6.09m & 12.19m options, fully furnished | |
| Portable Site Offices | 8.6m x 2.5m x 3.45m, fully furnished | |
| | | |

Portable Toilets and Showers



Lighting Towers Diesel & Solar

| LAMP POWER | ILLUMINATED AREA | RUNNING TIME |
|-----------------|----------------------------|--------------|
| 1800 W | 5000 / 500 m ² | 100 hours |
| 4 x 320 W | 4500 / 4200 m ² | 143 hours |
| 4 x 320 W | 5000 m² | 218 hours |
| 4 x 350 W | 5000 m² @ 20 Lux | 220 hours |
| 4 x 350 W | 5.4 lm /m² @ 28.328 m² | 150 hours |
| 6 x 350 W | 315,000 | 145 hours |
| 6 solar x 100 W | 65,000 | 56 hours |
| 2 solar x 100 W | 14,000 | 35 hours |



Power Accessories

| TYPE | SIZE | OUTLET | |
|--------------------|-------------------|---|--|
| Distribution Board | 32 amp | 8 x 240V 15A 1 x 415V 20A 1 x 415V 32A | |
| Distribution Board | 63 amp | 10 x 240V 15A 2 x 415V 20A 2 x 415V 32A | |
| Distribution Board | 125 amp | 8 x 240V 15A 2 x 415V 32A | |
| Power Cables | 20 amp | cable length can be customised | |
| Power Cables | 32 amp | cable length can be customised | |
| Power Cables | 63 amp | cable length can be customised | |
| Power Cables | 100 amp | cable length can be customised | |
| Power Cables | Hardwire | cable length can be customised | |
| Load Banks | 100 - 500 kW | in all application | |
| Battery Pack | Atlas Copco ZBP45 | | |

Control Panels, Soft Starters & Variable Speed Drivers are available



Mobile Fuel Supply

| ТҮРЕ | SIZE | COMMENTS |
|-----------------|---------|--|
| Fuel Tank | 1000 L | Double bunded, multiple fuel connections |
| Trailer Mounted | 1000 L | Double bunded, multiple fuel connections |
| Fuel Tank | 2000 L | Double bunded, multiple fuel connections |
| Fuel Tank | 4000 L | Double bunded, multiple fuel connections |
| Fuel Tank | 10000 L | Double bunded, multiple fuel connections |
| Trailer Mounted | 2000 L | Double bunded, multiple fuel connections |

Plant Trailers, Tandem Trailers, Cage Trailers, Pressure Washer Trailers and Fire Fighter Trailer are also available for hire.



Traffic Lights & Signage





Solar CCTV Towers

| MAKE | CAMERA | HEIGHT |
|----------|--|--------|
| Solareye | 2x4MP acusense deep learning cameras, 50m night vision | 4.5m |



Dust Suppression Fans

| MAKE | MODEL | ELECTRICAL ENGINE POWER | | | | | |
|---------|-----------|-------------------------|--|--|--|--|--|
| Generac | DF 4500 | 4kW | | | | | |
| Generac | DF 7500 | 7.5kW | | | | | |
| Generac | DF 15000 | 15kW | | | | | |
| Generac | DF 20000 | 20kW | | | | | |
| Generac | DF 50000 | 45kW | | | | | |
| Generac | DF 110000 | 100kW | | | | | |



Commercial Vehicles

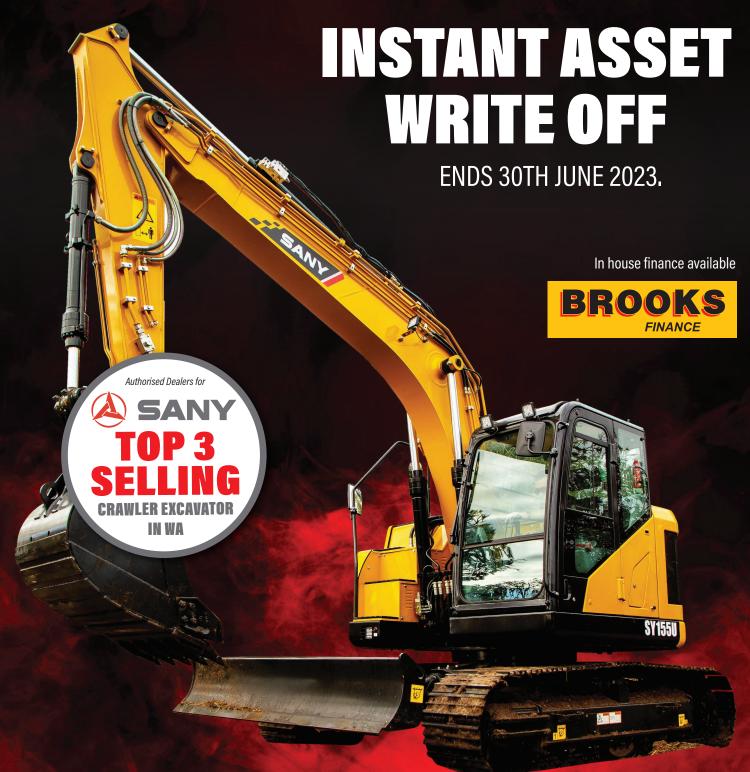
| | SEATS | MAKE | MODEL | CATEGORY |
|---|-------|--------|--------------|-----------------------------------|
| | 12 | Toyota | Hiace | Mine Spec Bus |
| | 7 | Toyota | Land Cruiser | Mine Spec 4x4 Wagon |
| | 7 | Toyota | Prado | Mine Spec 4x4 Wagon |
| | 5 | Toyota | Hilux | Mine Spec 4x4 Dual Cab Ute |
| | 5 | Toyota | LC78 DC | Mine Spec 4x4 Dual Cab |
| | 2 | Toyota | LC78 SC | Mine Spec 4x4 Single Cab |
| | 2 | Toyota | Hilux | Mine Spec 4x4 Single Cab Tray Ute |
| - | | • | | . , |



Machine Attachments

| CATEOGORY | ATTACHMENT | CATEOGORY | ATTACHMENT |
|--------------|------------------------|-------------|----------------------|
| Excavator | GP Bucket | Skid Steer | GP Bucket |
| Excavator | Batter Bucket | Skid Steer | Rake Bucket |
| Excavator | Trenching Bucket | Skid Steer | Forks |
| Excavator | Skeleton Bucket | Skid Steer | Bucket Broom |
| Excavator | Sieve Bucket | Skid Steer | Auger |
| Excavator | Screening Bucket | Skid Steer | Trencher |
| Excavator | Trapezoidal Bucket | Skid Steer | Levelling Attachmen |
| Excavator | Tilting Bucket | Skid Steer | GPS |
| Excavator | Rock Breaker | | |
| Excavator | Auger | Telehandler | GP Bucket |
| Excavator | Misu Heavy Duty Screen | Telehandler | Batter Bucket |
| Excavator | GP Grapple | Telehandler | Forks |
| Excavator | 360° Grapple | Telehandler | Jib |
| Excavator | Rock Grapple | Telehandler | GPS |
| Excavator | Hydraulic Grapple | | |
| Excavator | Mechanical Grab | Backhoe | GP Bucket |
| Excavator | Hydraulic Grab | Backhoe | Trenching Bucke |
| Excavator | Sleeper Grab | Backhoe | Batter Bucket |
| Excavator | Plate Compactor | Backhoe | Batter Bucket (Digge |
| Excavator | Compaction Wheel | Backhoe | Auger |
| Excavator | Tree & Stump Mulcher | Backhoe | Forks |
| Excavator | Ripper | Backhoe | GPS |
| Excavator | GPS | | |
| | | Grader | Roller |
| Tool Handler | GP Bucket | Grader | GPS |
| Tool Handler | Rake Bucket | | |
| Tool Handler | Stemming Bucket | Tractor | Grid Roller |
| Tool Handler | Grain Bucket | Tractor | Hydraulic Angle Broo |
| Tool Handler | Forks | | |
| Tool Handler | Jib | | |
| Tool Handler | Log Forks | | |
| Tool Handler | Man Cage | | |
| Tool Handler | Tyre Grab | | |
| Tool Handler | GPS | | |

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*Conditions apply. Please check with your accountant or the ATO website for full details. Finance is available on any machine in Australia. Sany excavator sales are limited to WA and NT.



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