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# THE *Eneabba*

WINTER 2022    ISSUE 9

## Brooks Airways Takes Flight

THE LAUNCH OF AN AVIATION DIVISION



- Mighty Crushing Machines
- Formstruct Forges A Synergy
- Primed To Pump - Liquid Solutions



**BROOKS**  
HIRE

**BROOKS**  
EQUIPMENT

**BROOKS**  
ACCESS

**BROOKS**  
TRANSPORT

**BROOKS**



# The story of Eneabba



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. At the time, Doug was working 12 hour days as a Fitter on Barrow Island, and he fixed the unserviceable compressors in his spare time. After a few months of paying off his debts, Doug made the bold decision to leave his job and start his own hire business.



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. The crane was purchased by tender in Perth and Doug didn't have the \$500 needed to freight the crane to Eneabba, so he drove it for 13 hours to get it there himself, with his trusty dog on board, of course. This is a testament to the lengths that Doug would go, to ensure the success of Brooks Hire.

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. Doug would work long hours during the week, and then drive to Perth on the weekend for parts. It was during one of these trips that he met his future wife, Roma.

By 1983, with the business continuing to grow, and Doug pursuing his life with Roma, Brooks Hire set up shop in Hogarth Street, Cannington. Then, in 1990, they purchased their own yard in Canning Vale, where the Head Office is still located today. But it is that shed in Eneabba that will be remembered as the birth place of Brooks Hire Service.



## From the MD...

When I sit down to write this column every quarter, I think 'Wow', this has to be our biggest three months yet. So it genuinely comes as a surprise each time, to realise that Brooks has grown bigger yet again.

This quarter marks the introduction of our fifth and sixth company divisions in the form of Brooks Airways, and Medical Air. For those who know our family well, you'll know that we have strong links to aviation. With an existing client base working in remote locations, it seemed only natural to add an airline service as part of our value added service. Brooks can now offer our clients executive charter flights, FIFO flights, freight transfers, and emergency medical flights.

Another big milestone for Brooks is the opening of a new branch in the WA city of Geraldton. It is our 9th Western Australian branch, and our 19th branch Australia-wide. Steve Drage, who has been with Brooks for over 20 years and was previously running our West Coast Service department, has made the long haul to Geraldton to establish the new branch. Many thanks to Steve for his dedication and hard work.

On another note, Brooks Equipment Sales is celebrating our appointment as an exclusive Sany Dealer in the Northern Territory. This comes off the back of being named the most successful Sany dealer in Australia earlier this year. Sany sales have continued to go from strength to strength with more and more customers seeking them out as their preferred brand. Congratulations to the whole BES team on this achievement; keep up the hard work.

With all of this new growth, comes a sea of new faces. The Brooks team has grown significantly over recent months and it's great to welcome each and every one of them to our network. We've seen our existing crew all contribute to support our new staff, and this makes me proud of the culture that we've built within Brooks. Without a strong team, all of this growth wouldn't be possible, so thanks everyone.

Until next time, enjoy the Winter edition of The Eneabba.

*Stuart Brooks*

Stuart Brooks  
Managing Director

# THE Eneabba WINTER 2022

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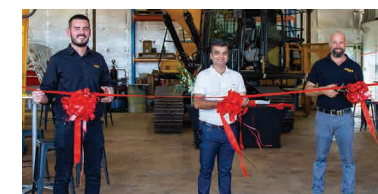
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## BROOKS

CONTACT DETAILS  
Brooks Hire Service Head Office

30 Coulson Way  
Canning Vale WA 6155

Phone: 1300 276 657

Email: [sales@brookshire.com.au](mailto:sales@brookshire.com.au)

[www.brookshire.com.au](http://www.brookshire.com.au)

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# Brooks Airways Takes Flight

## The Launch Of An Aviation Division

The Brooks Group of companies is excited to announce the launch of a new division - Brooks Airways. Brooks Airways offer safe, reliable, and flexible private charter flights to individuals, and fly-in fly-out (FIFO) flights to the mining, oil and gas, and resources industries.

The name Brooks is synonymous with earthmoving and construction, so you may be wondering why Brooks would break into the aviation industry.

Actually, aviation is not something new to the Brooks family at all. Being a commercial licensed pilot himself, Doug Brooks has always had a passion for all things aeronautical. During the 1990's, Brooks Hire offered clients free flights to the Pilbara to inspect their sites as a part of their general service. At the time, Doug owned two fully restored warplanes, customers were given a choice to fly in either the Tiger Moth or the T6 Texan. Doug would use Brooks Hire's Cessna to do service and maintenance on hire machines that were in remote locations.

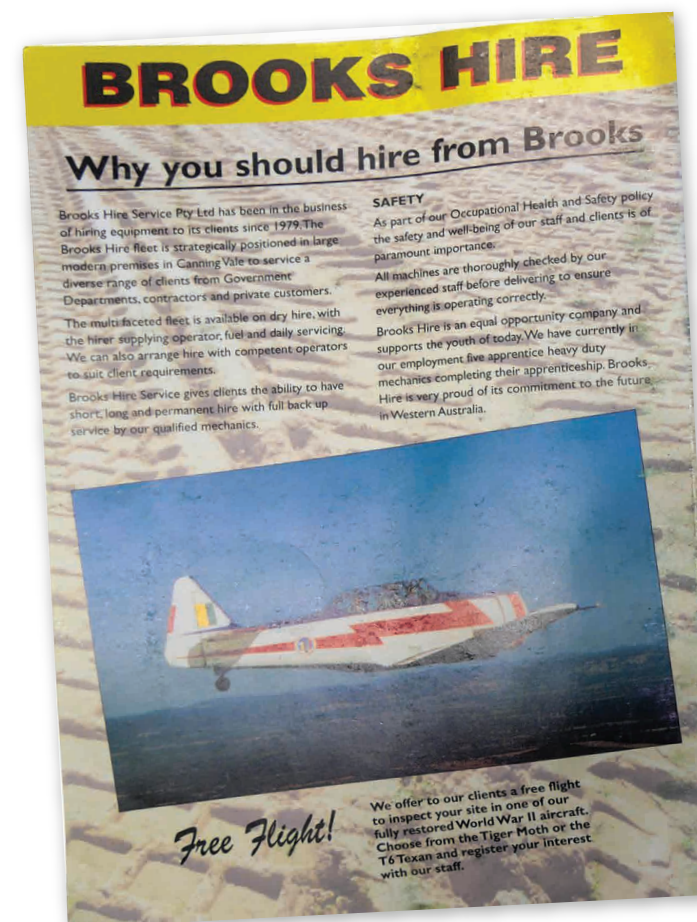
Being raised around aircraft, Doug's passion for aviation was transferred to his son, Stuart Brooks. Stuart started his working life at the tender age of 13, as an Aircraft Maintenance Engineer TA at a company called Formula Aviation. Now as the Managing Director of Brooks, that passion for aviation has turned full circle.



Stuart Brooks (3), and Keith Brooks (5) next to Brooks Hire's Cessna



Stuart Brooks (13) working at Formula Aviation



An historical advert from a 1997 publication. \*Offer not available now.

With clients in remote locations all over Australia, it seemed like a natural progression to give Brooks clients value added service in the form of an airline service. The Brooks group partnered with Formula Aviation Founder and Managing Director Shane Gifford to launch Brooks Airways.

### Services To The Mining And Resource Industries

Brooks Airways is Fixed Base Operator (FBO) at Perth Airport. Their facilities include private parking, and a fully equipped departure lounge with kitchen and bathroom facilities. Brooks Airways offer a safe, reliable, and convenient options for executive and FIFO flights from Perth, to anywhere in Australia. Flights can be organised as a one off charter, or as part of a regular contract for fly-in, fly-out crew changes. In addition to transporting people, Brooks Airways also offers urgent freight transfers, and dangerous goods transfers.

### Our Aircraft and Capabilities

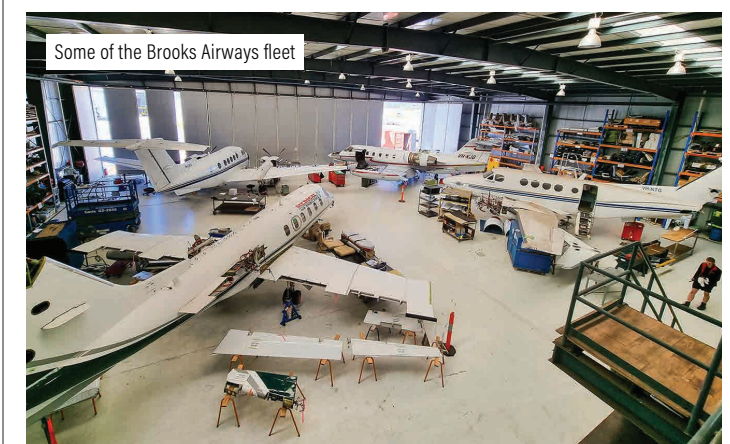
Brooks Airways has a fleet of thirteen aircraft in total. Seven of which are capable of landing in remote locations that are inaccessible to commercial airlines.

Of Brooks Airways' fleet, six are Learjet aircraft. Usually configured to accommodate six to seven passengers, the Learjet 35A is a small-sized business aircraft. The Learjet outperforms all other aircraft in its size in regards to speed and range. Our Learjet can fly over 4,500 kilometres nonstop and is fitted with long-range fuel tanks. That gives us the liberty to fly to any destination in Australia without any fuel stops.

Brooks Airways has seven King Air aircraft in its fleet. The King Air is known as the workhorse of the charter industry. It is more than capable of getting in and out of short airfields in remote locations. When it comes to climbing to 35,000ft during bad weather, B200 KING AIR is the aircraft to rely on. Brooks Airways' King Air, can carry ten people in either commuter or full cargo configuration, and take you to the next exploration site or to the local airport. This aircraft is reliable, versatile and always ready to support your charter needs.

### Mining And Resources Medical Flights

Under the umbrella of Brooks Airways, is sister company, Medical Air. Medical Air is an internationally accredited provider of medical repatriation flights and Emergency Aeromedical Evacuation (MedEvac) transportation. "We provide non-emergency medical flights and emergency medical evacuations in both domestic and international arenas," explained Managing Director, Shane Gifford. "Being a fully inclusive MedEvac provider, we don't rely on third party providers to assist our operators. This means that we are able to respond to medical evacuations in remote areas in quick time. Our fleet of Learjets have a long range of 4,500km, meaning we can reach remote locations in a single leg. Our aircraft fleet are all fully equipped with full ICU capabilities and are CASA (Civil Aviation Safety Authority) registered." With contracts already in place with a consortium of Oil, Gas, Mining, and Insurance companies, Medical Air offers on call medical service contracts to companies at a lower cost.



### So, where to from here?

Mining and Resources companies are already seeing the benefit of having contracts in place with a private aviation provider. Ultimate convenience and flexibility allows corporate customers to travel when and where they choose without the hassle of check-in procedures and luggage queues. In a world where Covid is now an everyday reality, our private departure lounge and aircraft provide companies the confidence of a clean, germ free environment for their workforce. As we expand, Brooks Airways are looking to extend our service to include scheduled flights for up to 50 pax Australia wide. If you'd like to know more about what Brooks Airways can offer your company, call 1800 AIRWAY (247 929) or go to [brooksairways.com.au](http://brooksairways.com.au)



# Civil Construction Pilot Program



## \$5.9 Million Boost For WA Employers

WA's new approach to civil construction training has opened the door to new, skilled workers and more funding for employers.

WA's civil construction industry is on the rise. Over the next four years, \$13 billion will be poured into major civil infrastructure projects across the state. To deliver on this huge pipeline of work, the industry needs to recruit and retain a skilled workforce.

So, what's being done to make sure this happens? It's called the Civil Construction Pilot Program (CCPP).

Endorsed by the Hon Sue Ellery MLC, Minister for Education and Training in September 2021, the CCPP aims to increase the number and capability of new workers entering WA's civil construction industry.

Previously only civil construction traineeships were offered. Now with CCPP, the door has opened to new workers with the introduction of civil construction apprenticeships.

The apprenticeship model will provide a longer period of training, a formal trade certificate on completion, and a more robust career pathway into the sector.

To help make this happen, new funding has been made available through the Construction Training Fund (CTF), one of the industry organisations coordinating the pilot program. CTF is providing \$5.996 million to support employers hiring these new apprentices.

With funding support, industry enthusiasm and a large pool of WA talent, the outlook for CCPP is promising.

### Improving the capability of new civil construction workers

The CCPP is a four-year program developed to address the needs of WA's civil construction industry.

Desiring more skilled and job-ready workers, the industry sought a change in training and qualification of those entering the sector.

As a result, training in specific civil construction qualifications changed in September last year.

Nine existing traineeship streams have transitioned to apprenticeships, resulting in WA's first cohort of civil construction apprentices.

Once they have completed their training, the apprentices will have attained a Certificate III in either Plant Operations, Trenchless Technology or Civil Construction and a trade certificate. The longer period of training and hands-on learning provided with apprenticeships will boost the number of skilled workers in the sector. However, this higher qualification also means that training has extended from two years for a traineeship, to three years for an apprenticeship.

### What are the implications of this for current trainees, new apprentices and their employers?

Rob Berryman, CTF's Director of Skills Developments, explains.

"The extra training year will improve and cement the skills of the new apprentices and ensure employers have experienced, job-ready workers. There are financial implications of this change. But CTF's wage subsidies and grants will eliminate or reduce any wage impact to the apprentice and the employer."

As well as providing financial support, CTF will also facilitate a mandatory induction session for new apprentices. CTF will contact all eligible employers and apprentices to arrange this.

### Wage gap subsidies for civil construction employers

The award rate for a junior apprentice is lower than the award rate for a trainee, potentially deterring current trainees from transitioning to the new qualification.

CTF's wage gap funding will offset the difference. New apprentices, including those transitioning from a traineeship, will be paid at the higher (trainee) rate without the employer bearing the additional wage cost.

Two CTF wage gap subsidies will fund the difference between the junior apprentice award rate and the civil construction trainee award rate. These are the Junior Wage Gap Subsidy and the Mature Age Wage Gap Subsidy.

"Up to \$14,000 of wage-gap subsidies per apprentice are available to employers," says Rob, "and there is no restriction on the number of civil construction apprentices an employer can take on."

There are eligibility criteria that need to be met, including that:

- For the Junior Wage Gap Subsidy, the apprentice must be under 21 years of age;
- The individual must have commenced or transitioned to an eligible apprenticeship on or after 3 September 2021;
- Have an employer paying at, or above, award rates;
- For the Mature Age Wage Gap (MAWG) Subsidy, the apprentice must be over 21 years of age and be accepted on to MAWG pilot.

Trainees who commenced their training contract before September 3 2021 can continue with their traineeship if they wish and do not have to transition to the apprenticeship.

### Additional grants to subsidise employment costs

The pilot program will run until October 2025. By this time, WA will likely have 1,280 new civil construction apprentices.

"It's an exciting prospect for the sector," explains Rob, "as it ensures a pipeline of qualified apprentices ready to deliver on road, rail and other major civil infrastructure projects across our state."

"We want employers and apprentices involved in the pilot program to reap the benefits of the training. That's why CTF has increased the amount of grant funding to CCPP employers."

The existing base grant offered to employers who hire an apprentice has been increased for those involved in the pilot program. This Employer Support Grant has been upped to \$10,000 (from \$8,000) and aims to subsidise employer costs incurred during the term of the training contract. This funding is in addition to the wage subsidies.

While focusing on new workers in our industry, let's not forget the importance of encouraging under-represented groups to consider civil construction as a career.

CTF offers employer grants for businesses that employ trainees or apprentices that are female, mature age, regionally based, and/or Aboriginal and Torres Strait Islander.

What does this mean in real terms?

If you employ a female, 26-year old, Indigenous civil construction apprentice and you are based in a regional area, you could be eligible for up to \$5,200 in employer grants, plus the \$10,000 Employer Support Grant and the Mature Age Wage Gap Subsidy (if accepted on the program) over the life of the apprenticeship.

Payments to Group Training Organisations or employers of trainees converting to an apprenticeship may be adjusted depending on previous funding received.

### Powering ahead with the pilot program

The new civil construction apprenticeships and funding model are a win-win for apprentices, their employers and the industry.

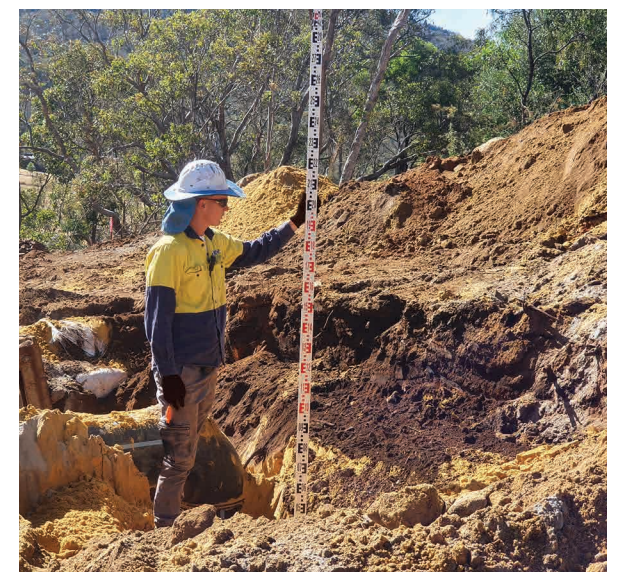
By extending the duration of civil construction training, the CCPP will ensure a supply of junior and mature age qualified apprentices. And that can only mean good things for the sustainability of WA's civil construction industry.

So, what happens when the pilot finishes in late 2025?

Hopefully, it will be a resounding success that will see civil construction apprenticeships continue in WA.

Regardless, one thing's for sure. WA will have 1,280 savvy and skilled new civil construction workers.

To find out more about the wage gap subsidies available to employers and the eligibility criteria, visit [www.ctf.wa.gov.au](http://www.ctf.wa.gov.au) and search 'Civil Construction Pilot Program'. See how much you could be eligible for using CTF's Employer Funding Calculator.







# Mighty Crushing Machines

## Rapid Group Bring Out The Big Guns

**There's big, heavy machinery – and then there are the absolute heavyweights used by the Rapid Group.**

If there is one thing that Brooks Hire is very familiar with, it's heavy machinery and the challenges that go with moving this type of equipment around the country.

Well, spare a thought for the challenges that Rapid Group face moving these behemoth machines. Seeing them up close, you can't help but be blown away by their enormity.

Long-time service contractor to the mining industry, Rapid Crushing & Screening Contractors has two massive Jonsson L160 mobile tracked jaw crushers, the biggest of their type available for hire in Australia, with one on each side of the country. These 'babies' weigh in at nearly 200 tonnes apiece and are regarded as an absolute game changer to the contracting of crushing & screening services in Australia.

In purchasing the first of the machines, Rapid became the only private contractor in the world to own one of these units.

The first of them was brought to Australia from the manufacturers in Sweden, by Rapid in 2020.

The first contract for the machine, nick-named 'Jumbo' because the model number is E747, was for Ravenswood Gold Mining Operations in Queensland – quite a distance from Rapid's headquarters in Maddington, Western Australia but with operations in Mackay, Queensland, Rapid was able to accommodate.

Despite their weight and size these machines are actually not as difficult to transport as one would imagine. This is because they break down into modules to fit on two flat deck floats and two in-gauge trailer loads.

The portion with the jaw crusher has the ability to jack itself up so the trailer can simply be driven out from under it. Thanks to clever design, all site-based assembly can be done in days rather than weeks and with little more than a Franna crane.

The performance of the first to be purchased was so impressive it prompted Rapid to obtain a second one which arrived in Fremantle just a few months ago.

The Jonsson L160, powered by CAT 455kVA Dual Power, perform their work with a Metso Nordberg C160 Jaw Crusher, and have a feed opening of 1600mm x 1200mm. These high-capacity machines excel where a large amount of work is needed in a tight timeline, giving a high level of output with cost efficient productivity.

### From small beginnings

Rapid Crushing & Screening Contractors, a West Australian privately owned company, began operations in 1978 as Irvine Engineering – initially servicing and repairing mining equipment before taking on the role as a crushing & screening service contractor.

One of the key motivations for the Principal, Neil Irvine to enter the contracting area of the business was that he found he was able to substantially modify imported machinery to make them better suited for the hot dusty conditions of the Australian outback where so much of the mining activity takes place.

Furthermore, Rapid developed a unique capacity of being able to configure its plant specifically to the layout of an operational site – a major difference to the lack of flexibility that existed at that point.

With machinery that was vastly more reliable – and with the ability to service it themselves in the event of any breakdowns, Rapid's services took off to the point that it has become the largest privately owned crushing & screening services contractor in Australia.

The company works in the crushing and screening of all types of mineral ores. This includes lump and fines hematite iron ore, gold, manganese, nickel, lithium, special class site preparation fill materials on major construction projects, as well as concrete and road aggregates, road base, rail ballast and armour rock.



Not only do they operate with the mighty Jonsson L160s they have an extremely wide range of high-production mobile and fixed crushing, screening, and conveying plants. These range from mobile and modular plants handling up to 1,000 tonnes per hour, through to fixed plants operating at over 1,000 tonnes per hour.

Clients have included Woodside, Rio Tinto, BHP, Chevron, Moly Metals, Karara Mining Limited, Fortescue Metals Group, Hanson Construction Materials, Talison Lithium, Ravenswood Gold, Fitzroy Oz Mining, Saracen, Goldfield, Galaxy Resources and many more.

Rapid has subsequently expanded its operations and now also services mining companies with the building of wet and dry lift tailings storage facilities, site road construction and the rehabilitation of mine sites all done under the helm of Rapid Dam Contractors.

When it comes to the mightiest of the mighty, Rapid Crushing & Screening have definitely proved that bigger is better.







# Formstruct

## Forging Synergies

This quarter, we caught up with Steve Pecotic, General Manager of civil construction company Formstruct. Like Brooks Hire, Formstruct is a family business that has successfully grown through its core values of quality work, reliability, and excellent customer service. Founded in 1979 by Steve's father Vic Pecotic, Formstruct now employs three generations of Pecotics with Steve's son Anthony also joining the business as a Project Manager.

Based in Western Australia, Formstruct provides civil, building, and structural services to the Resources Industry. They specialise in design and construct projects that require building, structural steel, earthmoving, and concrete. With three offices located in Bibra Lake, Tom Price, and Karratha, the majority of their works are based in the Pilbara region. We asked Steve what made Formstruct so successful in such a highly competitive location.

"Cost effectiveness and a strong customer focus has been the catalyst of our growth," explained Steve. "We consistently provide professional service and deliver projects safely, to specifications, on time and under budget. It's these values that keep clients coming back to Formstruct."

"Formstruct and Brooks share similar values and synergies. We are both family businesses, founded in WA with a strong commitment to the Pilbara region."

STEVE PECOTIC, GENERAL MANAGER OF FORMSTRUCT.



And keep coming back they do. Formstruct has a very impressive list of projects on a vast array of Pilbara mine sites including Rio Tinto's Brockman 2 & 4, Nammuldi, Silvergrass, Western Turner Syncline, Hope Downs 1 & 4, MESA A & J, Yandicoogina, West Angles, Rhodes Ridge, Tom Price, Paraburdoo, and East Intercourse Island, FMG's Cloudbreak & Solomon Mines, just to name a few.

Another reason for Formstruct's success in the Pilbara region is their ability to offer a complete service that encompasses all avenues of civil construction.

### Concrete Construction & Supply

In 1979 when Formstruct was established, the company specialised in formwork and concrete construction. Today, concrete construction remains an integral part of the business and their capabilities have expanded to include Supply of Concrete through owned Mobile Concrete Batch Plant, Agitator Trucks and Concrete Pumps.

### Mining Infrastructure

Formstruct's capabilities allow them to design & construct various site buildings including fixed plant workshops, heavy vehicle workshops, tyre changing facilities, ammonium nitrate storage facilities, warehouses, autonomous fuel facilities, administration buildings, dome shelter service bays and office/crib rooms.

### Earthworks, Roads, and Carparks

Formstruct's extensive fleet of earthmoving equipment, allows them to provide services to build & maintain roads within the minesites, warehouse storage and laydowns, car parks, drainage, bulk and detailed earthworks.

### Structural, Mechanical, and Piping

Complimenting the civil construction division, Formstruct has formed a Structural, Mechanical & Piping division which offers the design and supply of structural steel, cladding, HDPE pipe welding, plumbing, dewatering, and hydrostatic pressure testing.

With so much work going on in the Pilbara region, Formstruct have been expanding their extensive and diverse fleet of plant and machinery. Already this year, they have purchased four brand new Sany excavators from Brooks Equipment Sales. We asked Steve what made him choose Sany for his fleet.

"It all comes back to the synergies that we share with Brooks," he replied. "Formstruct are a Pilbara based company and we wanted to be involved with a dealer that shows a strong commitment to the Pilbara region."

"Brooks has branches in Newman, Port Hedland, and Karratha, which means that if we need parts or servicing, you're right there to back us up," Steve went on to explain. "Many other machinery suppliers just sell you a machine and then won't deal with you when you need assistance. That's where it comes back to two companies that share the same synergies."

Formstruct has purchased two Sany SY50U 5t mini excavators which are both being utilised on the Belt Splice Station Project at FMG's Cloudbreak Mine. Their Sany SY155U 16t excavator is on Rio Tinto's East Intercourse Island. Meanwhile, the newest member of their fleet, the Sany SY215C 21t excavator has been fully mine spec'd and is heading up to Rio Tinto's Brockman 4 for an Adhoc Civils Contract.

Brooks Equipment Sales know that Steve is going to be very satisfied with the new Sany excavators in his fleet, and he can be assured of Brooks' ongoing commitment to providing service and parts for his machines.



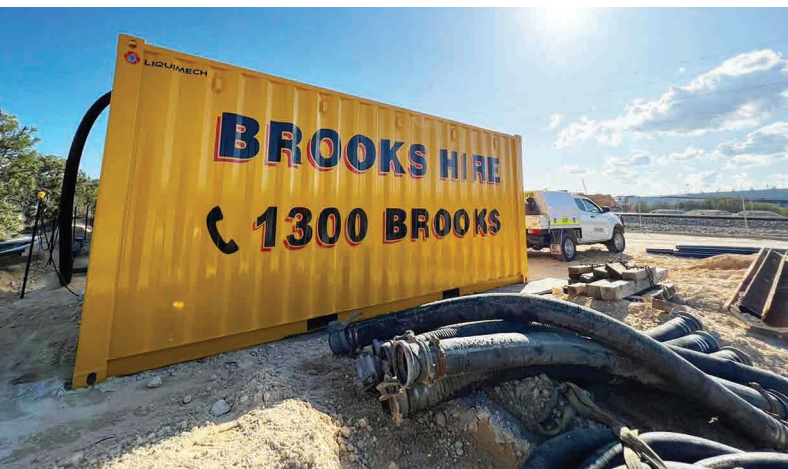


# Primed To Pump

## Liquimech's Liquid Management Solutions For The Harshest Aussie Work Sites

It's no secret that Australia has some of the toughest worksite conditions in the world. Throughout the Pilbara, the top end of the Northern Territory and Queensland, and even South Australia, temperatures have been known to reach as high as 50° celcius. The extreme heat, coupled with the remoteness of these worksites, makes liquid supply an immensely important aspect of site management. That's where Liquimech come into action.

Liquimech and Brooks Hire have been partners for several years supplying quality liquid management products to clients Australia-wide. Both organisations are proudly Australian owned and operated with a focus on delivering high quality products, and exceptional customer service. Brooks Hire commissions Liquimech to supply a range of hire products. These products are built to last in Australia's tough environment and safety is at the forefront of every product design.



Some of the products that Liquimech supply to Brooks are:

- Standpipes with clearance ranges of between 4.2m - 8.6m
- Trailer units for washdown
- Pump trailers
- Diesel storage and trailed units
- Bulk liquid storage
- Spooling
- Headworks and much more

Partnering with clients like Brooks Hire and being in the market, Liquimech hears of the problems different industries face and uses its in-house engineers to provide better solutions.

Conventional standpipes require installation teams to be on-site for half a day to complete the install because of the complexity and risks involved in working under suspended loads. Liquimech developed a new folding design that means the client can safely deploy the standpipe themselves within 15 minutes.

The innovative design of the standpipes means the set-up is quicker, simpler and safer with no need for staff to travel. The reduction in cost and savings in time, has been welcomed by Brooks Hire clients.

Only the highest quality raw materials are used in Liquimech products. This ensures they have a long life and meet the demands of the harsh environments of all Australian worksites.

The liquid management products Liquimech supplies are available Australia-wide. All products are designed to require minimal maintenance so that clients don't need to spend time inspecting, repairing, or replacing products which can cause significant costs in down-time.

### Custom Designed Products



Liquimech is an engineering and manufacturing all-in-one solution. A large part of the Liquimech business is custom designed products for national and global companies looking to minimise downtime and increase safety on site.

With an in-house team and manufacturing facilities, Liquimech can supply products much faster than most competitors. Most of the manufacturing process is completed on site so there is no waiting on suppliers or for products to come in from overseas.

Liquimech prides itself on getting to know its customers and their problems. They don't deliver a product before ensuring it's the right solution for the customer. Their highly qualified specialist consultants know the right questions to ask to find out what the client needs, the flow rates involved, safety risks, volume, functionality required, and the operational environment.

After the scope is prepared, the design is produced and checked that it meets the client's operational needs, codes, and standards before QA sign-off is completed. If required, Liquimech can organise third party verification.

Fabrication of the solution is completed on Liquimech's own state-of-the-art machinery by highly experienced in-house manufacturing staff. Liquimech works with mild steel, stainless steel, alloys, hdpe, and poly derivatives.

Many of Liquimech's products are modular construction that can be changed to meet individual requirements. By customising Liquimech's IP, a solution can be found quickly to solve most problems. The solutions are fit for purpose and focus on minimising maintenance, downtime, and increasing safety to improve the client's overall profit.

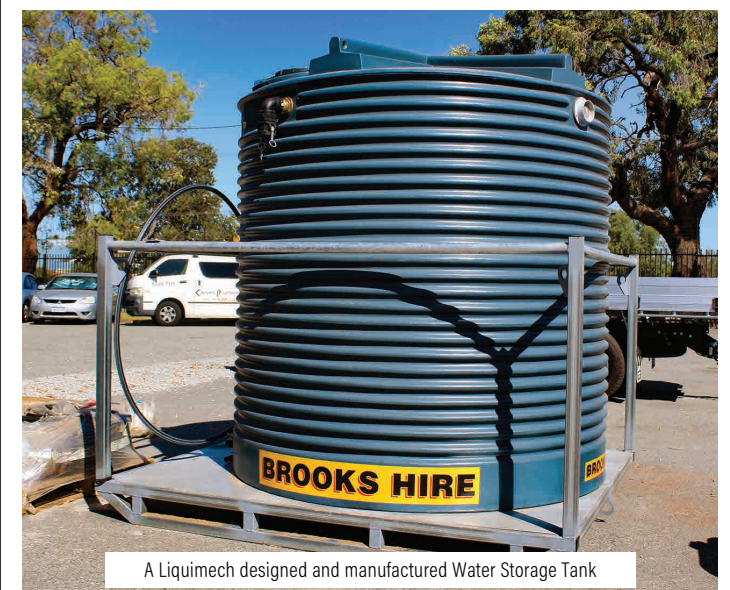
### About Liquimech

Water is Australia's most precious resource. Liquimech helps organisations overcome problems around not enough water, too much water or poor-quality water that needs cleaning and reusing. Liquimech supplies the mining, civil, and heavy industries with a wide range of liquid management solutions.

Liquimech is based in Perth with a reliable freight network to ensure goods can be moved from one side of the country to the other within tight time frames. Liquimech is also experienced in supplying products to clients overseas.

Liquimech's mantra is do everything quicker, safer and better. Finding innovative solutions to client problems is what the organisation thrives on.

Liquimech is a trusted supplier for Brooks Hire Service. The partnership between the two companies has gone from strength to strength. If you're looking for water management solutions on your worksite, call Brooks Hire on 1300 276 657 and ask to speak to Ben Cook from the Site Service department.



For more information about Liquimech products, contact Liquimech on 1300 954 202 or email [sales@liquimech.com.au](mailto:sales@liquimech.com.au)





# Energy For Every Future

## Integrated Energy And Water Solutions

As the mining and resources sector seeks to decarbonise operations, one company is creating new, efficient energy and water management solutions that deliver savings in both capital and operational expenditure.

UON is a Western Australian integrated energy and water solutions company providing turnkey solutions to the mining and resources sector and beyond.

Based at Malaga, the company is committed to developing **Energy for Every Future**, through smarter, more reliable solutions that improve performance and help integrate renewable and decarbonising technologies to operations.

Founded as a two-man operation in 1998 as a reseller of power generation and pumping equipment, UON's business now centres around the design, manufacturing, supply, construction and maintenance of remote, off-grid power and water infrastructure.

With more than 400 team members, UON's history of innovation and solutions encompasses technology across its production, hire, construction, maintenance, parts and service, and operational support divisions, with its products specifically built for operating in the harsh Australian environment.



UON Founder and Chairman, Mark Keogh said the company's flexibility and rapid deployment capabilities directly support its customers.

"Our commitment to supporting clients is a promise represented by our name - we will keep you **U ON**, we will keep you operational," Mark said.

"UON has a proud history of innovation, developing and delivering integrated off-grid power and dewatering solutions. We offer complete turnkey solutions that cater for our client's requirements at all stages of their operations."

### So, what are UON doing differently to help conserve energy?

UON is continuing to see a transition in the energy solutions that its customers are wanting and has developed products that are able to assist them on their journey to decarbonisation.

Industry leaders in delivering pumping solutions for dewatering, tailings and even potable water requirements, **UON SMART™** Solutions are **Scalable, Modular, Automated, Renewable** and **Temperature-controlled**, ensuring clients get the right equipment for the task.



### How is UON SMART™ integrated into infrastructure projects?

Integrating renewable technology with UON's patented fuel saving solutions, UON is enabling clients to reduce their reliance on fossil fuels and help decarbonise their mining operations. All with verified reporting data, the solutions are achieved without risking energy security and operational flexibility.

Renewable solutions can be added to existing energy supplies to supplement power and support a transition to greater renewable energy utilisation. A hybrid energy solution of a photovoltaic array and battery storage can be coupled with UON's patented Generator Motor Controller (GMC), changing remote operations to only needing fossil fuel as a back-up.

Mining operations vary dramatically across the mine's life and UON has a re-deployable solar solution. This means as operations move, so can the renewable power. Flexibility also means the size of the renewable inputs can be expanded.



UON has undertaken a significant investment in R&D that has led to the design and manufacturing of in-house products, engineered into turnkey solutions that integrate energy and water infrastructure efficiently. With a strong supply chain and in-house manufacturing, the company has been able to deliver on projects of any size with standardised solutions.

From large-scale power stations, water management activities, site support services, workshop and facilities power, or isolated dewatering pumps, UON has the full turn-key solutions required for established operations, to support expanding or relocating projects and full greenfield developments.

UON has also been expanding their fleet of plant and equipment to support its customers with installation and infrastructure construction works. Just recently, UON purchased three Sany excavators from Brooks Equipment Sales. The SY16C 1.75t mini excavator, SY80U 8t compact excavator, and SY155U mid-sized excavator have all been sent to mine sites at Yandi and Mount Whaleback for construction and dewatering projects.

At a time when energy conservation has become ever more crucial, UON's innovation has seen them receive product accreditation from the Clean Energy Council for a range of fuel-efficient UON products. They have also been recognised at the Telstra Business Awards as Medium Business and WA Business of the Year, as well as being awarded Business of the Year at the 2020 RISE Business Awards.

We congratulate UON on their commitment to such a significant global issue.



# WEDA Submersible Pumps

## Hydraulic Designed For Sustained Performance

Electric submersible pumps are often required to deliver in different environments. They are moved around and must operate under varying conditions, which impacts pump performance. Besides, solids suspended in water can cause the impeller to wear and prematurely fail.

Atlas Copco launched an innovative high-tech platform for its WEDA range of electric submersible pumps that protect the impeller, ensuring sustained performance for months. Alexey Flidlider is one of the engineers responsible for the design and development of the Wear Deflector Technology, which enables construction and industrial sites to remove sand-laden water more reliably and improve productivity.

### What are the most significant features of the Wear Deflector Technology?

The unique diffuser geometry, made of polyurethane (PU) and integrated solids deflecting vanes. The combination of geometry and material is unique and offers the best sustainable performance and wear resistance in the market. The specially designed geometry of the closed type of high chrome iron impeller minimizes cavitation, providing high erosion resistance and hydraulic efficiency (less power consumption per litre of pumped water).

All these features together, make up the innovative Wear Deflector technology, patented by Atlas Copco Power Technique.

### What are the main advantages of the new WEDA D70?

Because its efficiency and resistance to wear, the main advantages of the new pump model are robustness and serviceability. The special water-cooled design of the electrical motor has a high allowance for dry running - something that is often important to our customers. The state-of-the-art steel cartridge seal system increases robustness and is easy to service, meaning less downtime for the end user and for dealers who rent out the pumps and must service them.

Atlas Copco designed a yellow canopy combining easily accessible built-in electrical configurations and interfaces for the global market, as well as various options of cable and discharge connections.

**The combination of geometry and material is unique and offers the best sustainable performance and wear resistance in the market.**

### How was the WEDA D70 designed?

The project started back in 2018, as an investigation for a new hydraulic concept. Atlas Copco Power Technique carried out Computation Dynamic Fluid Dynamics (CFD) and verified the results by building several functional prototypes using internal additive manufacturing capabilities (3D-printing). In 2019, the project was officially approved and with the large technical experience of the whole team, they started to build the pump around the hydraulic geometry.

In the final stage, before the official product launch, Atlas Copco carried out several different tests on the prototypes to ensure optimum robustness and performance.

### How prepared is Atlas Copco to address the needs of this market segment compared to their competitors?

Atlas Copco have a great team of motivated professionals, with recognised expertise and have the products, technology, and a unique product line.

### What impact can this renewed WEDA range have in Atlas Copco Power and Flow?

Because of the technical challenge, the WEDA D70 was the most critical one, and it is the first model that offers the new platform. Atlas Copco Power Technique started working on the design back in 2018 and released it in mid-2021.

Atlas Copco is looking forward to getting feedback from customers. This will be a learning experience with their insights in future processes. The plan is to come up with a range of pumps with a similar design and external appearance in the coming years. Atlas Copco believe their customers and the company itself, will benefit from this journey to improve the electric submersible pumps portfolio.

Atlas Copco WEDA pumps are available for hire from Brooks Site Services. Call Ben on 0499 940 449.

Alternatively if you'd like to purchase an Atlas Copco WEDA pump, call Nathan at Brooks Equipment Sales on 0438 631 952.







# Accelerating Electrical Engineering

## Brooks backs the future of electrical motorsports

Speed, power, and world leading engineering efforts; it's not hard to understand how motorsports have rallied scores of supporters in their respective championships.

The popularity of international auto racing events, such as the World Rally Championship, Formula One, and Formula E, has granted space to develop engineering strategies, to both improve performance and adhere to adapting rules governed by the Fédération Internationale de l'Automobile (FIA). These Sporting Regulations have promoted fair, safe, and environmentally focused events - and Australian universities are following suit, designing new progressive technologies that pave the way for a more sustainable future in automotive sectors.

With a heavy reliance on automotive services, Brooks Hire recognises the value in investing in new sustainable technologies. When approached by the University of WA (UWA) Motorsport team, the Brooks family were happy to throw their support behind the electrical motorsport project.

### UWA Motorsport

Tucked away in an unassuming building at the University of Western Australia, you wouldn't know at first glance that within the walls, the next generation of formula-style open-wheeled electric race car, is being built.

These extra-curricular efforts are undertaken by a handful of students from a variety of majors, who together, form the University of Western Australia Motorsport team (UWAM). Competing against roughly 35 interstate and international universities with entirely sponsor-funded materials, they showcase their vehicles at the annual Formula SAE-Australasia (Formula SAE-A) event – an adaptation of the American Formula SAE – held at Melbourne's Winton Motor Raceway, each December.

What preparation spans the length of a year, culminates in a 4-day event, in which the electric vehicle and team, are put to the test, demonstrating their vehicle's competency in a total of 8 events. So, how different is the Formula SAE-A competition to that of those on the international stage? Brooks sat down with the 2022 UWAM team, to find out.

### The Competition

UWAM team members, Technical Director, Josh Perin, and Project Manager, Julian Blair, explain that, like the electrically run vehicles racing on the international stage in the ABB FIA Formula E World Championship, the ultimate goal of the Formula SAE-A competition is to engineer fully functioning sustainable race cars, positively impacting the development of environmentally focused technologies, in the process.



Unlike Formula E, which comprises 45-minutes of race time with pit stops, battery-changes, and points awarded on lap times and finishing positions, the Formula SAE-A competition is graded in two categories: Static and Dynamic. The static portion of the competition is inclusive of three events: Design, Cost, and Presentation; and Dynamic, a total of 5: Acceleration, Skid Pad, Autocross, Fuel Economy, and Endurance.

Where Formula E involves wheel-to-wheel racing, the UWAM team will be racing their vehicle alone on the track, in timed events. The Endurance portion of the competition is 20km of continuous track time, with a careful balance between battery weight potentially slowing the vehicle down, and juice to get them over the line – a requirement to qualify in the competition. In fact, despite the competition's marking criteria consisting of 7 other events, Endurance is the category teams are most wary of completing, with only 50-60% qualifying.



### 2022 Model

Three historic models are currently held in the UWAM workshop: the 2002, 2008 and 2021 UWAM cars. The cars are slim, nimble-looking vehicles, all sharing slight similarities in appearance. Josh and Julian explain that while they're unable to use the same chassis in multiple years, the culmination of student knowledge and mentor advice, does see some parts remade and utilised again; it's the classic, but faithful, 'if it's not broke, don't fix it' concept, they explain.



As such, elements from previous years' models have been carried across to the 2022 car, adapted to produce what the UWAM team are sure to be winning improvements. What those adaptations are, the team aren't willing to share just yet. Only six months out from competition, the team have high hopes of bringing home first place, and they will not be compromised with trade secrets being disclosed. The Formula SAE-A and FIA rules and regulations are both extensive, to manage the safety of participants and regulate materials utilised in the vehicles. Julian notes that the university-grade competition rule book, is astoundingly greater in length than that of Formula One. Grading criteria does, however, leave room for interpretation, encouraging creativity and innovation in design. Formula SAE-A officials have stated that the need to readdress the rules would be cause for celebration.

Amongst the prospective wave of graduating engineers, the unique ideas and built skillset that the students involved in this competition create, are key factors in their demand within the industry, having led to many alumni being headhunted by leading industry stakeholders.

Above all, the Formula SAE-A competition encourages and celebrates individuality and growth. Students are granted the resources to expand their knowledge and professional portfolio and the automotive industry is in turn, acquiring some of the best emerging knowledge capitol; a project which Brooks are delighted to sponsor. The first WA university team to successfully create a fully electric car in 2021, UWAM are rightfully hopeful for this season.



# New Machines

## THE BROOKS FLEET OF EQUIPMENT

### BROOKS TRANSPORT

In Perth, Brooks Transport has recently taken delivery of a new Hino Palfinger Hiab Flat Bed Truck. Over in Queensland, the Brooks Transport crew are rejoicing the arrival of a new Volvo Prime Mover.



### BROOKS HIRE

The hire department is continuing to diversify with several new categories of equipment hire. The Site Services division has recently acquired traffic signage, solar powered CCTV equipment, custom built distribution and control boards, and an Able LG40IS generator. We purchased our first tractor this quarter, a Kubota M7040DHC which comes with a 2m Hydraulic Angle Broom. Two Hydrema 912ES Water Carts are also new to our hire fleet and they are joined by five Komatsu HM400 33kL Articulated Water Trucks.



When it comes to Brooks Equipment Sales, the Sany excavators keep rolling in one gate, and rolling out the other. As Sany's reputation in Australia grows, so does the demand for their products. Don't worry though, Brooks Equipment has a full range of excavators from 1.7 tonnes up to 55 tonnes in stock and available for purchase right now. We've also got a full warehouse of genuine parts to keep your new machine in good order. In addition to our Sany excavators, Brooks Equipment has also received a full order of Euromacchine EFD-150T Dewatering Diesel Pumps. Direct from Italy, these high quality pumps feature a 6612T Cornell pump, 6" discharge, 6" suction, and enclosed impeller, and they're ready for sale right now.



### BROOKS ACCESS

New to Brooks Access this quarter we have a Kalmar 16t Forklift, Merlo TF35.7 Telehandler, Genie GS-4069 RT Scissor Lift, and Genie S-1932 Scissor Lift.





# 19th Branch For Brooks

## New Brooks Branch Opens In Geraldton



Brooks Hire has opened its 19th branch in the mid-west coastal city of Geraldton, WA.

Earlier this year, Doug and Roma Brooks took a caravan trip to the region to look for potential sites for the new branch. They were pleased to find the ideal location at 67-71 Flores Road, Webberton. The 7500m<sup>2</sup> property is located in the heart of Geraldton's industrial area. With 125m of street frontage, and two separate entry points, it offers plenty of space for our machinery and very handy access for heavy vehicles to enter and exit.

Steve Drage has been assigned the task of setting up the new branch. Steve has been with Brooks Hire since 2000, when he joined the team as an Apprentice Plant Mechanic. Over the last 22 years, Steve has successfully navigated through various positions within the company, culminating in his appointment as Branch Manager at Geraldton.

The first of the plant and machinery was dispatched to Geraldton on 1st April 2022. Steve made the 438km journey from Perth in our Freightliner truck.



Currently the plant list includes excavators, loaders, graders, smooth drum rollers, pad foot rollers, forklifts, skid steers, and scissor lifts available for hire. More equipment is being delivered regularly.

The new premises will also be used as a showroom for Brooks Equipment, giving customers the opportunity to purchase Sany excavators, pumps, generators, compressors, and light towers.

The Geraldton branch is open and ready for business with machinery already being sent out on hire. If you're in the area, call in and say "Hi" to Steve. If there's a piece of equipment that you need and we don't have it, let us know and we'll get it up there for you.

**Brooks Hire Geraldton - 67-71 Fores Road, Webberton 6530**



## Northern Territory Exclusive

### Brooks Equipment Snares Exclusive Sany Dealership

Brooks Equipment has celebrated another milestone after being granted the exclusive Sany dealership in the Northern Territory.

The partnership between Sany and Brooks was first initiated in April 2020, when Sany Business Development Manager, George Fan, reached out to Brooks Managing Director, Stuart Brooks, to establish a potential business arrangement. Before reaching an agreement, Brooks Hire thoroughly tested Sany excavators in their hire fleet, sending machines to mine sites in the Pilbara for long gruelling stints. When Brooks Hire was fully satisfied that Sany equipment would stand up to the toughest Australian environment, a dealership agreement for Western Australia was struck.

Since taking over the WA Dealership for Sany, Brooks Equipment Sales achieved a massive 112.5% increase in Sany excavator sales. By January 2022, Sany had become the top selling excavator in WA, outstripping major competitors such as Caterpillar, Komatsu, and Kubota. Not only that, Brooks Equipment's impressive sales rate placed them as the top Sany Dealership in Australia.

Brooks Equipment General Manager, Nathan Fenemer summed up why the brand has been so successful. "Overwhelmingly people are seeing the true value on offer by purchasing a Sany," he said. "Not only are Sany machines of world class standard, but you also get the full backing of Brooks' service and parts with every sale."

While Sany is still considered to be a relatively new brand in Australia, internationally, it is the number one selling brand of excavator, worldwide. Sany takes their key components from all the best suppliers around the globe to build high quality machines that meet all international specifications. Parts are sourced from Japan, USA, Italy, Germany, and Korea.

The opening of the Northern Territory Sany Dealership was celebrated on Friday 1st April at the Brooks Hire Darwin branch in Winnellie. Special guests in attendance included Sany Australia General Manager, Nitin Khanna, Brooks Group General Manager, Josh Willett, Brooks Equipment General Manager, Nathan Fenemer, Brooks Darwin Branch Manager, David Evans, and Civil Contractors Federation CEO, Tom Harris.

"We have Sany excavators on the ground in Darwin ready to sell right now," said Nathan. "Currently there are machines and attachments available from 1.6 tonnes up to 20 tonnes, but with an increased enquiry for larger machines we will also have 36 tonnes and long reach excavators available over the coming months. Maintenance parts will soon be arriving to further support our customers." The Brooks Sany Dealership branch is located at 402 Stuart Highway, Winnellie.



# Perth Tradie Expo

Held from 17th - 19th June, the Perth Tradie Expo was a massive event for the Brooks group this year! In fact, Brooks had the biggest display at the whole event. With an outdoor site of over 800m<sup>2</sup>, there was plenty of space to fill, and fill that space we did.

With the assistance of Brooks Transport, Brooks bumped in ten Sany excavators ranging from 1.7t to 22t, along with a Komatsu HM400 40t dump truck, three Genie scissor lifts, a telescopic boom, forklift, telehandler, pumps, generators, compactors, light towers, and traffic light signage.

Perhaps the most popular part of the display was the 'History of Brooks' section featuring historic pumps and compressors, and of

course the 'Kids Zone' complete with ride-on diggers, photo board, and giveaways.

The Brooks display was a huge drawcard for punters, who despite the questionable weather, turned up in their droves.

Look out Perth Tradie Expo 2023; Brooks will be back, bigger and better than ever!



# Freds Pass Rural Show Darwin NT



On Saturday 14th to Sunday 15th May, Brooks participated in our very first expo in the Northern Territory. Freds Pass Rural Show is one of the Top End's most loved events. It is a complete rural show with livestock, horticulture, entertainment, woodchopping, side show alley and food galore. Our display site was shared between Brooks Hire, Brooks Equipment Sales, and Brooks Access.

It was a great introduction to Brooks for our new Darwin Account Manager, Naomi Blewit, who only started with the company one day before the event. Ben Cook from Site Services, and Nathan Fenemer from Brooks Equipment, flew in from Perth to assist Naomi and David Evans, our Darwin Branch Manager. You did a great job team, well done!

# CCF WA Industry & Training Awards

Congratulations to our very own Claire Harrison, General Manager of Brooks Access who was selected as a finalist in the Women In Civil category at the CCF WA Training and Industry Awards.

CCF WA's Industry & Training Awards are the WA civil construction industry's annual celebration of individual and corporate achievement. There are 19 award categories. Nominees were assessed on their leadership skills and/or interpersonal skills with colleagues, clients, and stakeholders over the last 12 months.

Claire initially joined Brooks Hire Service in November 2020 as an Executive Assistant to Brooks Managing Director, Stuart Brooks. It didn't take her long to demonstrate her in-depth knowledge of construction equipment, in particular, access equipment, in the construction industry. Having Claire on the team, gave Brooks the certitude to branch out into access equipment, a field they had previously not considered.



Since then Claire was promoted to General Manager of Brooks Access and was fundamental in building the division to achieve a 90% utilisation rate in its first year of trade, a very impressive achievement indeed.

The awards night was held at Crown Perth Ballroom on Friday 20th May. Amongst stiff competition, Claire did not take home the award but we would like to congratulate Alyssa Nixon-Lloyd from Fulton Hogan, and Courtney Wiewerger from Valmec who shared the prize. Congratulations also to all of the winners and finalists on the night, and many thanks to CCF WA for hosting a fantastic evening.





# Sydney Build Expo

After two years of cancellations and postponements due to Covid, the Sydney Build Expo finally took place on 1st-2nd June 2022. Held at the International Convention Centre (ICC) Sydney, Sydney Build is one of Australia's largest construction, architecture, build, and infrastructure expos. The two day event showcases over 500 exhibitors over four exhibition halls, and features over 300 accredited presentations.

This year, East Coast Operations Manager, Mark Barbaro, along with Parts Interpreter, Tim Hearn attended the expo on behalf of Brooks Hire. They did a fantastic job setting up our 27m² stand with a trailered mini excavator, lighting towers, and of course plenty of Brooks merchandise.

"It was definitely one of the busiest events that I've attended," said Mark. "We spoke to so many great people at the expo." If you saw us at Sydney Build, be sure to drop into the Sydney branch and let Mark and Michael know how Brooks can help you.

# CCF NSW Earth Awards



Once again, Brooks Hire was proud to be a part of the Civil Contractors Federation NSW Earth Awards which were held on 17th June. The Earth Awards recognises outstanding Project delivery in the Civil Construction Industry. For the third year running, Brooks Hire has been a Category 6 Sponsor for Projects valued between \$75m and \$150m.

Congratulations to Georgiou Group who were the well deserved winners of the Brooks sponsored category. Mark Barbaro was in attendance to present the award. Congratulations also to all of the award winners, and many thanks to CCF NSW for hosting such a successful evening.



# ACF Gala Dinner

As Silver Sponsors of the Australia Chinese Business Council (ACBC), Brooks was delighted to attend the Australia China Friendship (ACF) Gala Dinner, celebrating 50 years of friendship between Australia and China. The celebration was held on Saturday 11th June at the Perth Convention Exhibition Centre.

Attending on behalf of Brooks was Asset Manager, Vinny Yap, Chief Financial Officer, Penny Chu, Intermediate Accountant, Kai Ming Teuh, and Asset Administrator, Gina Liew. A great night was had by all and we look forward to our continued friendship with the ACF.

# Welcome Aboard

## Milla Grace Harrison-Fife

Congratulations to our Brooks Access General Manager, Claire Harrison, and her partner, Sherrilyn Fife on the safe arrival of their baby girl.

Milla Grace Harrison-Fife made her entry into the world on Mother's Day - 8th May 2022, weighing 8 pounds and measuring 53cm.

We warmly welcome our newest member of the Brooks team and can't wait to get her out on the machines.



## Nudge Stiles

**What was your first job:** Golf ball collector at Whaleback Golf Course.

**What is your role at Brooks:** Safety Officer - Perth WA.

**What achievement in life are you most proud of:** I once ate three Subway Footlongs in one sitting, oh and my kids etc.

**How would you describe yourself in 3 words:** A good fella.

**Where would we find you on the weekends:** Ideally camping by a river somewhere in the hills next to a roaring fire.

**What is something that you're really good at:** Camping by a river somewhere in the hills.

**What is something that you're really bad at:** Monday mornings.

**If you could invite anybody to dinner (dead or alive), who would it be:** Warnie, Jim Morrison, and Kurt Cobain.

**You're going to a dress-up party, what/who do you dress up as:** A Skid Steer Loader.

**Favourite holiday destination:** Anywhere by a river and a roaring fire.

**Favourite song:** "In My Life" by The Beatles.



## Warren Leggett

**What was your first job:** Apprentice Electronics Technician.

**What is your role at Brooks:** Account Manager - Brooks Equipment Service, Perth WA.

**What achievement in life are you most proud of:** Being a father.

**How would you describe yourself in 3 words:** Optimistic, try to be funny, and tenacious.

**Where would we find you on the weekends:** At a cafe somewhere eating breakfast with a group that I help run.

**What is something that you're really good at:** General Knowledge.

**What is something that you're really bad at:** Remembering people's names.

**If you could invite anybody to dinner (dead or alive), who would it be:** My father, I never spent enough time with him.

**You're going to a dress-up party, what/who do you dress up as:** Spiderman.

**Favourite holiday destination:** Vietnam.

**Favourite song:** 'Easy (like a Sunday Morning)' by Lionel Ritchie





# Naomi Blewit

**What was your first job:** Tour Guide at the Darwin Crocodile Farm.

**What is your role at Brooks:** Accounts Manager - Darwin NT.

**What achievement in life are you most proud of:** Looking after 500 apprentices and trainees for 7 years.



**How would you describe yourself in 3 words:** Loyal, Thinker, Passionate.

**Where would we find you on the weekends:** Out and about shopping, cleaning and enjoying our property and animals.

**What is something that you're really good at:** Finding solutions to problems.

**What is something that you're really bad at:** Saying no.

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

**Favourite holiday destination:** Bali or Melbourne.

**Favourite song:** "Better" by Screaming Jets.

# Amanda Yulie

**What was your first job:** Myer Miss Shop.

**What is your role at Brooks:** Reception/Administration Brisbane QLD.

**What achievement in life are you most proud of:** Being named godmother to my lovely and talented goddaughter, Ziyal.



**How would you describe yourself in 3 words:** Kind, Helpful, and Thoughtful.

**Where would we find you on the weekends:** At home cooking for my family and friends.

**What is something that you're really good at:** Doing what I say I will.

**What is something that you're really bad at:** Saying no.

**If you could invite anybody to dinner (dead or alive), who would it be:** Harry Seidler, I admire his architecture so much.

**You're going to a dress-up party, what/who do you dress up as:** Caroline Jones version of Addams Family Morticia.

**Favourite holiday destination:** Toss-up between Portofino and Prague.

**Favourite song:** 'The Christmas Countdown' (12 days of Christmas) by Frank Kelly.



# Adam Weeks

**What was your first job:** Dine In Pizza Hut.

**What is your role at Brooks:** Eastern Region Transport Manager - Brisbane QLD.

**What achievement in life are you most proud of:** My current role at Brooks.

**How would you describe yourself in 3 words:** Fun and good looking.

**Where would we find you on the weekends:** Hanging with mates, trying new restaurants or at the footy.

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

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

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

**You're going to a dress-up party, what/who do you dress up as:** Jackie Moon.

**Favourite holiday destination:** Berlin.

**Favourite song:** Currently - "Days Like This" by Van Morrison.

# Jacinta Pickering

**What was your first job:** Butchers Assistant.

**What is your role at Brooks:** Account Manager for Brooks Access- Perth WA.

**What achievement in life are you most proud of:** Raising my daughter. I am extremely proud of the woman she has become. She is also an amazing mother to my grandson.



**How would you describe yourself in 3 words:** Adventurous, fun, and kind.

**Where would we find you on the weekends:** 7am Ocean Dips (cold water therapy). Also catching up with friends and date nights with my husband.

**What is something that you're really good at:** Organising our social life.

**What is something that you're really bad at:** Swimming, seriously I have tried. I sink like a lead balloon.

**If you could invite anybody to dinner (dead or alive), who would it be:** My Mum and Dad who are both very much alive, and my Uncle Joe (deceased).

**You're going to a dress-up party, what/who do you dress up as:** Anything 80's.

**Favourite holiday destination:** Thailand, USA, and my motherland Ireland.

**Favourite Song:** One of many "If Tomorrow Never Comes" by Garth Brooks. Both my Dad and my daughter sing this as a duet. Tearjerker.

# Ben Laidlaw

**What was your first job:** Kitchenhand at Sizzler.

**What is your role at Brooks:** Transport Scheduler - Brisbane QLD.

**What achievement in life are you most proud of:** Finishing my Diploma of Business.



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

**Where would we find you on the weekends:** At the footy (rugby league).

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

**What is something that you're really bad at:** Footy tipping.

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

**You're going to a dress-up party, what/who do you dress up as:** Ron Burgundy.

**Favourite holiday destination:** Hong Kong.

**Favourite song:** "The Zephyr Song" by Red Hot Chilli Peppers.



# Tito Ardila

**What was your first job:** Sound Technician for live events.

**What is your role at Brooks:** Software Developer - Perth WA.

**What achievement in life are you most proud of:** Becoming a Software Engineer and buying a house for my family.

**How would you describe yourself in 3 words:** Patient, Cheerful, and Hardworking.

**Where would we find you on the weekends:** Spending time with my family outside somewhere.

**What is something that you're really good at:** Playing table tennis.

**What is something that you're really bad at:** Speaking in front of any audience / giving a speech.

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

**You're going to a dress-up party, what/who do you dress up as:** Not really sure.

**Favourite holiday destination:** Medellin - Columbia.

**Favourite song:** 'Don't Be Shy' by Karol G and Tiesto.



# Caitlin Moss

**What was your first job:**  
Waitress at a Chinese Restaurant.

**What is your role at Brooks:**  
Administration Assistant - Karratha WA.

**What achievement in life are you most proud of:**  
Ordering my first new car.



**How would you describe yourself in 3 words:**  
Honest, Loyal, Caring.

**Where would we find you on the weekends:**  
Gardening, listening to music, baking.

**What is something that you're really good at:**  
Remembering birthdays and phone numbers.

**What is something that you're really bad at:** Saying no to anyone :/ even if that means I burn out.

**If you could invite anybody to dinner (dead or alive), who would it be:** Chris Rock and Will Smith.

**You're going to a dress-up party, what/who do you dress up as:** Beth Dutton (Yellowstone).

**Favourite holiday destination:** New Zealand.

**What is your favourite song:** I don't have one favourite, just anything that I can dance to.

# Andrew Van Oirschot

**What was your first job:**  
A Screen Printer.

**What is your role at Brooks:**  
HC Truck Driver - Perth WA.

**What achievement in life are you most proud of:** My kids.

**How would you describe yourself in 3 words:** I'm easy going.

**Where would we find you on the weekends:**  
Working on my house finishing renovation.

**What is something that you're really good at:**  
Socialising and making new friends.

**What is something that you're really bad at:** Making time for myself. I put work and others ahead of time for myself.

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

**You're going to a dress-up party, what/who do you dress up as:** Riff Raff from The Rocky Horror Picture Show.

**Favourite holiday destination:** East Asia.

**What is your favourite song:** Stairway To Heaven.



# Ian Parker

**What was your first job:**  
Service Station Attendant - pumping petrol, checking oil, tyres, cleaning windscreens..

**What is your role at Brooks:**  
Project Manager for Site Services - Perth WA.

**What achievement in life are you most proud of:**  
My family.

**How would you describe yourself in 3 words:**  
Honest, Reliable, Trustworthy.

**Where would we find you on the weekends:**  
Caravan and camping.

**What is something that you're really good at:** Enjoying life.

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

**If you could invite anybody to dinner (dead or alive), who would it be:** My brother in law Mick.

**You're going to a dress-up party, what/who do you dress up as:** Johnny Cash.

**Favourite holiday destination:**  
Busselton Mandalay Caravan Park.

**What is your favourite song:** 'I Met Her First' by Heartlands. Father and daughter song at my eldest's wedding and anything by Johnny Cash.



# Stephen Cheer

**What was your first job:**  
Engineer making excavator buckets back home in NZ.

**What is your role at Brooks:**  
Tilt Tray Driver - Perth WA.

**What achievement in life are you most proud of:** Moving to Australia in 2014 to start a new life.

**How would you describe yourself in 3 words:**  
Humble, Honest, Dedicated.

**Where would we find you on the weekends:**  
Camping by the beach or a lake, oh let's be honest... probably BUNNINGS.

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

**What is something that you're really bad at:** Impulse buying.

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

**You're going to a dress-up party, what/who do you dress up as:** The Hulk.

**Favourite holiday destination:** Maldives - have always wanted to go there.

**What is your favourite song:** Tough one, I have so many, will go with 'Jubel' by Klingande.



# Bella Liu

**What was your first job:** Admin Assistant.

**What is your role at Brooks:**  
Accountant - Perth WA.

**What achievement in life are you most proud of:** Became a qualified accountant in Australia on time.

**How would you describe yourself in 3 words:** Friendly, Persistent, Determined.

**Where would we find you on the weekends:**  
Home / Restaurants / Grocery Shops.

**What is something that you're really good at:** Exploring new places.

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

**If you could invite anybody to dinner (dead or alive), who would it be:** Family and friends.

**You're going to a dress-up party, what/who do you dress up as:** Wanda.

**Favourite holiday destination:** Japan.

**Favourite song:** 'History' by One Direction.



# Ado's Kitchen

## Upstairs Canning Vale 'BrookMuffins'

Look out, Ado's in the upstairs kitchen at Canning Vale and he's knocking together "smoko" for the hire crew. Wrap your laughing gear around a couple of these bad boys.

**Ingredients:**  
English muffins  
Fake cheese  
Eggs  
Bacon  
Hot sauce to taste

**Method:**  
1. Toast muffins on grill.  
2. Double cheese them bad boys.  
3. Fry bacon on the grill with an extra piece to reward the chef.  
4. Cook eggs to please everyone's fussy requirements.  
5. Load up the muffins, timed to be ready for "smoko" to perfection.





# 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.  
**Good** - 20 Words    **Very Good** - 25 Words    **Excellent** - 35 or more

A	N	E
P	O	R
A	L	E

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____



## Crossword

### Across

- |                          |                        |
|--------------------------|------------------------|
| 1. Buddies               | 41. Beasts             |
| 5. Brim                  | 42. Blackboard cleaner |
| 9. Small depressions     | 43. Helper             |
| 14. Diva's song          | 44. Round vegetable    |
| 15. Ripped               | 45. Stallion's mate    |
| 16. Dolt                 | 46. Nobleman's title   |
| 17. Sow                  | 48. Dapper             |
| 18. Noggin               | 50. Jaunty             |
| 19. River mouth          | 51. Tiny insect        |
| 20. Actress ____ Bullock | 52. Added spices       |
| 22. Cruelty              | 56. African desert     |
| 24. Dusk, to a poet      | 60. Postpone           |
| 25. Damon or Dillon      | 61. "Broadcast ____"   |
| 26. Meager               | 63. What a pity!       |
| 29. Emporium             | 64. Tiny landmass      |
| 30. Challenge            | 65. Hurt               |
| 34. 100%                 | 66. ____ Scotia        |
| 35. Bakery employee      | 67. Marsh grasses      |
| 37. Escapes              | 68. Chimney grime      |
| 39. At the side          | 69. Not shallow        |

### Down

- |                         |                       |                                 |                                 |                         |
|-------------------------|-----------------------|---------------------------------|---------------------------------|-------------------------|
| 1. Go by                | 9. Common contraction | 28. Church table                | 40. Compass reading (abbr.)     | 54. Skillful            |
| 2. Space                | 10. First garden      | 29. ____ Gibson of "Braveheart" | 41. Feel sick                   | 55. Winter vehicle      |
| 3. Mortgage             | 11. River in Egypt    | 30. Beaver construction         | 43. 1930s design style (2 wds.) | 57. Medicinal plant     |
| 4. Make sorrowful       | 12. Toddlers          | 31. Adjust                      | 47. Amphitheaters               | 58. Talk incoherently   |
| 5. Patriot ____ Allen   | 13. Depots (abbr.)    | 32. Rent again                  | 49. Near (2 wds.)               | 59. PDQ's kin           |
| 6. Bambi's mom          | 21. Go to bed         | 33. Composition                 | 50. Verse makers                | 62. Reporter's question |
| 7. Language study topic | 23. Wait on           | 36. Lurch                       | 51. Resource                    |                         |
| 8. Make lovable         | 26. Capital of Oregon | 38. Capital of Austria          | 52. Move slightly               |                         |
|                         | 27. Nurse ____ Barton |                                 | 53. Alleviate                   |                         |

1	2	3	4		5	6	7	8		9	10	11	12	13
14					15					16				
17					18					19				
20					21			22		23				
			24					25						
26	27	28				29					30	31	32	33
34				35	36				37	38				
39			40						41					
42							43					44		
45					46	47				48	49			
				50					51					
52	53	54	55						56			57	58	59
60						61		62			63			
64						65					66			
67						68					69			

## Sudoku

Enter numbers into the blank spaces so that each row, column and 3x3 box contains the numbers 1 to 9 without repeats.

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



## Brain Teasers

A man stands on one side of a river, his dog on the other. The man calls his dog, who immediately crosses the river without getting wet and without using a bridge or a boat. How did the dog do it?



Fourteen of the kids in the class are girls. Eight of the kids wear blue shirts. Two of the kids are neither girls or wear a blue shirt. If five of the kids are girls who wear blue shirts, how many kids are in the class?

What has cities, but no houses; forests, but no trees; and water, but no fish?



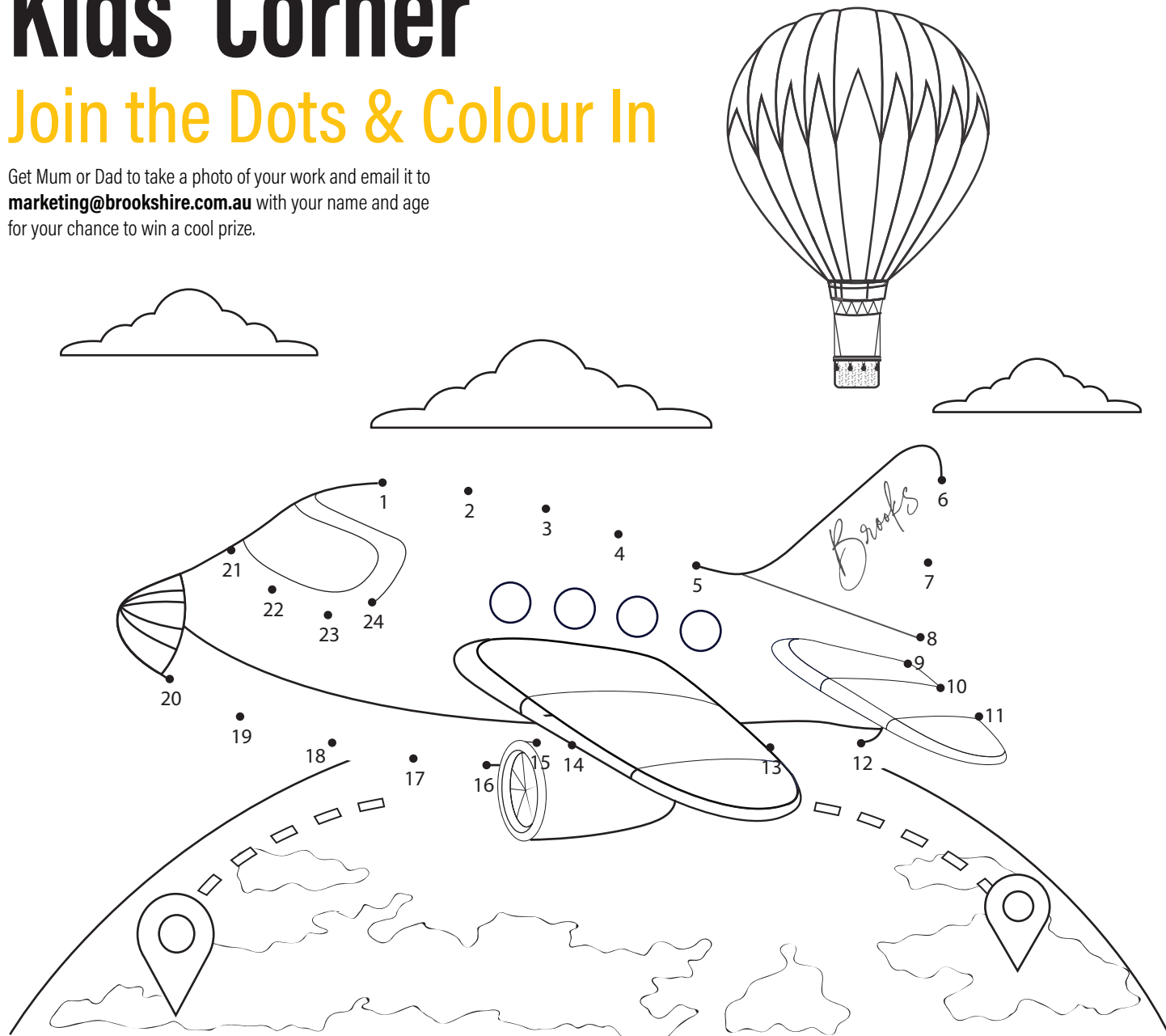
A man describes his daughters, saying, "They are all blonde, but two; all brunette but two; and all redheaded but two." How many daughters does he have?



# Kids' Corner

## Join the Dots & Colour In

Get Mum or Dad to take a photo of your work and email it to [marketing@brookshire.com.au](mailto:marketing@brookshire.com.au) with your name and age for your chance to win a cool prize.



**WINNER**  
Reece Weadley - Wheatbelt WA



# Snap That

STAFF PHOTOGRAPHY COMPETITION



Jon Koy - Garah QLD



Rob Morrow - Mackay QLD



Thomas N - Age 5

Chloe Nixon - Age 6

Noah Purcell - Age 5

Kassidy Pearce - Age 6

Cooper Rorbach - Age 4

Kyra Watt - Age 9

Dylan Rorbach - Age 6



Patrick Phillips-Stiles - Age 6 Michaela Phillips-Stiles - Age 10



Isabella Warnock - Age 10



Fiona Swart - Age 41

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

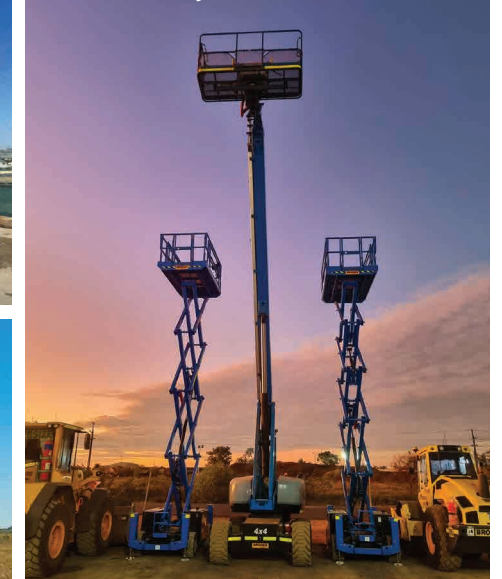
Gary Bushell - Bremer Bay WA



Ben Cook - Perth WA



Dylan Prince - Port Hedland WA



Adam Weeks - Brisbane QLD





# Equipment Hire List



Front End Loaders

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
3.5m³	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
5.6m³	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
2.5m³ - 2.7m³	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
3.5m³	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
1.5 Tonne	Komatsu	PC14R	11,6 kW / 15,6 HP @ 2.600 rpm	0.03m³
1.75 Tonne	Sany	SY16C	14.6 kW @ 2400 rpm	0.04m³
1.8 Tonne	Caterpillar	301.8	16.1kW / 19.2 HP @ 2,400 rpm	0.033m³
1.85 Tonne	Sany	SY18C	14.6 kW @ 2400 rpm	0.04m³
2.26 Tonne	Caterpillar	302	15.7kW / 21 HP @ 2,400 rpm	0.054m³
2.76 Tonne	Sany	SY26U	14.6 kW @ 2400 rpm	0.06m³
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)	0.09m³
3.85 Tonne	Sany	SY35U	18.2 kW @ 2400 rmp	0.12m³
5 Tonne	Komatsu	PC55MR	29.1 kW 39 HP/2400 rpm	0.15m³
5 Tonne	Komatsu	PC45MR	29.1 kW 39 HP/2400 rpm	0.15m³
5 Tonne	Komatsu	PC40MR	29.4 kW 39.4 HP/2350 rpm	0.15m³
5.3 Tonne	Sany	SY50U	29.1 kW @ 2400 rpm	0.15m³
6.1 Tonne	Sany	SY60C	42.4 kW / 56.9 HP	0.21m³
7.28 Tonne	Sany	SY75C	43 kW / 57.7 HP	0.28m³
8 Tonne	Komatsu	PC78MR	40,5 kW / 54 HP @ 1.850 rpm	0.28m³
8.5 Tonne	Komatsu	PC88MR	50.7 kW 68 HP @ 1950 rpm	0.34m³
8.8 Tonne	Sany	SY80U	53.7 kW @ 2100 rpm	0.28m³
9 Tonne	Caterpillar	308CR	52.4kW / 70.3 HP @ 2,200 rpm	0.23m³
9.1 Tonne	Sany	SY95C	53.7 kw / 72 HP	0.4m³
14 Tonne	Komatsu	PC138US	72.1 kW / 96.6 HP @ 2200 rpm	0.53m³
14 Tonne	Komatsu	PC160LC	90 kW / 121 HP @ 2200 rpm	0.6m³
14 Tonne	Hyundai	R140LC	84 kW / 113 HP @ 2,100 rpm	0.6m³
15.1 Tonne	Sany	SY135C	78.5 kW @ 2000 rpm	0.6m³
16 Tonne	Sany	SY155U	78.5 kw @ 1900 rpm	0.06m³
16 Tonne	Hitachi	ZX160LC	90.2 kW / 122 HP @ 2,200 rpm	0.73m³
22 Tonne Zero Swing	Komatsu	PC228US	116 kW 155 HP @ 2000 rpm	1.0m³
22 Tonne	Caterpillar	320GC	107 kW (143 hp)	1.0m³
22 Tonne	Caterpillar	320DL	103 kW / 140 HP @ 1800 rpm	1.3m³
22 Tonne	Hitachi	ZX210H	122 kW (164 HP)	1.00m³
22 Tonne	Komatsu	PC200LC	110 kW 147 HP / 2000 rpm	1.2m³
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	1.36m³
22.6 Tonne	Sany	SY215C	122 kw @ 2300 rpm	0.93m³
23 Tonne	Komatsu	PC220LC	110 kW 147 HP / 2000 rpm	1.26m³
23 Tonne	Hitachi	ZX225USLC	159 hp (118 kW) @ 2,000 rpm	1.09m³
30 Tonne	Volvo	EC290CLC	153 kW (205 hp)	1.2m³
30 Tonne	Komatsu	PC270LC	149 kW 200 HP / 2050 rpm	1.25m³
31.5 Tonne	Sany	SY305H	212 kW @ 2000rpm	1.7m³
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	2.66m³
36.7 Tonne	Sany	SY365H	205 kW / 275 HP	1.5m³
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	5.0m³
80 Tonne	Komatsu	PC850-8EOSE	370 kW 496 HP / 1800 rpm	4.3m³
85 Tonne	Komatsu	PC800LC	363 kW 487 HP @ 1800 rpm	4.5m³
125 Tonne	Sany	SY1250H	567 kW @ 1800 rpm	7m³





## 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	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	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	2.6 Tonne	Hamm	HD12VV
Double Drum	2.8 Tonne	Bomag	BW120AD
3 Pin Static	14 Tonne	Aveling Barford	DC014
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

TYPE	AIR FLOW	DRY WEIGHT	PRESSURE
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	Iveco	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



## 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



## 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

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
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 High head

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 available 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



## Pump Accessories

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



## Lighting Towers diesel & solar

LAMP POWER	ILLUMINATED AREA	RUNNING TIME
1800 W	5000 / 500 m²	100 hours
4 x 320 W	4500 / 4200 m²	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
Control Panels, Soft Starters & Variable Speed Drivers are available		



## Mobile Fuel Supply

TYPE	SIZE	COMMENTS
Fuel Tank	1000 L	Double bundled, multiple fuel connections
Trailer Mounted	1000 L	Double bundled, multiple fuel connections
Fuel Tank	2000 L	Double bundled, multiple fuel connections
Fuel Tank	4000 L	Double bundled, multiple fuel connections
Fuel Tank	10000 L	Double bundled, multiple fuel connections
Trailer Mounted	2000 L	Double bundled, multiple fuel connections

Plant trailers, Tandem trailers, Cage Trailers, Pressure washer trailers & Fire Fighter trailer are also available for hire.



## Traffic Lights & Signage

CATEGORY	POWER SUPPLY
Traffic Lights	Nominal 12 Volts. Range 10.8 – 14.2V
Variable Message Signs	Nominal 12 Volts. Range 10.8 – 14.2V



## 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



## Machine Attachments

CATEGORY	ATTACHMENT	CATEGORY	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 Attachment
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 Bucket
Excavator	Sleeper Grab	Backhoe	Batter Bucket
Excavator	Plate Compactor	Backhoe	Batter Bucket (Digger)
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 Broom
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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\*On selected models. T's & C's apply

## Sany SW405K Wheel Loader

Built tough for Australia's toughest work sites. Boom suspension system, GPS. Single joystick control.

### Technical Specifications

Weight: 18.5 tonnes  
Engine: Deutz TCD 7.8  
Hydraulics: Kawasaki  
Bucket: 3.0m<sup>3</sup>  
Power: 262hp/195kW



## Sany SY135C 13.8t Excavator

SY135C compact excavator adopts optimized engine output power.

### Technical Specifications

Weight: 13.8 tonnes  
Engine: Isuzu AJ-4J1XT3  
Hydraulics: Kawasaki  
Width: 2.49m  
Bucket: 0.6m<sup>3</sup>



Warranty  
5 Years or  
5000 hrs

## Sany SY365H 36.7t Excavator

Dual pump, dual circuit constant power control system.

### Technical Specifications

Weight: 36.7 tonnes  
Engine: Isuzu T4  
Hydraulics: Kawasaki  
Width: 3.39m  
Bucket: 1.5m<sup>3</sup>



Warranty  
4 Years or  
8000 hrs

## Husqvarna LT8005 Tamper

Well-balanced and powerful, developed for compaction in trenches or other narrow spaces.

### Technical Specifications

Weight: 99 kg  
Engine: Hatz 1B20 Diesel  
Width: 330mm



## Husqvarna LG300 Plate Compactor

Lightweight yet powerful forward and reversible plate compactor is developed for smaller jobs.

### Technical Specifications

Weight: 307 kg  
Engine: Hatz 1B30 Diesel  
Width: 500mm



## Husqvarna LH700 Plate Compactor

Easy to manoeuvre, the fully reversible hydraulic plates are made to effectively handle even the most demanding jobs.

### Technical Specifications

Weight: 780 kg  
Engine: Hatz 1D90V Diesel  
Width: 960mm



## Italdem GK-100 S Rock Breaker

Powerful and precise rock breaker to suit excavators ranging from 1 tonne to 3 tonnes.

### Technical Specifications

Weight: 105 kg  
Height: 1145 mm  
Chisel Diameter: 46 mm



## Italdem GK-225 S Rock Breaker

To suit excavators from 3 tonnes to 6 tonnes, using high technology and first choice materials

### Technical Specifications

Weight: 220 kg  
Height: 1455 mm  
Chisel Diameter: 67 mm



## Chicago Pneumatic T75 Air Compressor

A silenced, single-stage, oil-injected screw compressor, powered by liquid-cooled, three-cylinder Kubota diesel engine.

### Technical Specifications

Pressure (bar) - 7  
Flow (cfm) 75  
Engine Model - Kubota D722



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