

POWER NEWS

NEWSLETTER OF POWER EQUIPMENT PTY LTD - AUSTRALIA

A Personal Rendezvous With Yanmar



Yanmar Control Panel

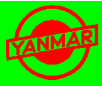


Mase Generator



Yanmar Sterndrive





Yanmar TF - 18,000 HOURS

Ken & Gai Holden bought their 1442 hectare property "Rotherwood" 14ks south of the northern NSW town of Bingara in 1966.

A re-think of farming direction in 1994 meant that a good reliable water supply was required for this change to be a complete success.

Ken contacted Ian McGregor of McGregor AG Services, Warialda NSW for advice on a diesel engine driven pump unit that would satisfy his requirements and in October 1994 a pumping system powered by a Yanmar TF50E was installed at "Rotherwood".

With basic service, filters and fan belts being replaced at the required service intervals, Ken estimates that the engine has now been running trouble free (except for the muffler needing to be replaced at around the 14000 hour mark) for somewhere close to 18,000 hours.

Early this year Ken decided that maybe it was time to retire the TF50E even though the engine was still running well. With this in mind Ken had no hesitation in once again contacting McGregors to supply a replacement Yanmar TF series diesel engines.

The new unit was installed in March this year and has taken over from the old diesel providing excellent fuel economy and as expected, reliable service.

Ken is debating whether to completely overhaul the old TF engine or leave it as it is believing in the old adage of "If it aint broke, don't fix it", either way the engine, which Ken and Gai see as part of the "family", will be kept as a stand by engine for around the property.



NEW PREMISES FOR PERTH BRANCH

Power Equipment's West Australian Branch has moved to a new address - and what an address it is. Situated in WA's favourite and one of the busiest cities - Fremantle (and on the water) the new premises boasts luxurious office space and workshop/warehouse facilities.

At the opening on July 24th over 50 customers, dealers and suppliers celebrated with WA staff members - Don Scott, Branch Manager - Scott Alexander, WA Marine Sales Manager - Wayne Jackson, Spare Parts - Natalie Holtham, Internal Sales Co-ordinator/Administration - & Ray Christensen, WA Service Manager.

The PE team at WA are looking forward to providing top class Yanmar sales and service support to their dealer network and customers. They are located at

Power Equipment Pty Ltd - WA **3/24 Mews Road, Fremantle WA 6160** Ph: **08 9433 2300** Fax: **08 9433 5933**
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Above: Ken Holden * Top Right: Old TF50E * Below : New TF50E



New WA Showroom (above), Spare Parts Counter (below)



"Rendezvous".....A Ho

by Allan Foster



Although the recently built "new" Rendezvous is our fourth houseboat, it's the first boat we've had built. The questions, which have to be asked and answered, are endless, but if we ask ourselves was it worth it...you bet!

Getting the project underway is one of the hardest things. First up, you need to decide your requirements and balance them against your budget. Single storey or double, what layout, what fuel, petrol, diesel or a combination of both. 240v generator with solar backup, 100% solar with no generator, or perhaps a combination of generator with a big serve of solar.

For the technically minded these were our choices:

BUILDER: Ian Kemp Marine

ELECTRICAL: E-tech

FUEL: 100% Diesel

BATTERY CHARGING

SOLAR: Heaps! A combination of a single large 1600amp battery plus 8 solar panels to keep everything powered up which allows us to run a Fisher and Paykel Bar Fridge (converted to 12Volt) continuously, whilst still leaving ample in reserve for the bread maker and in excess of 70 12v down lights plus the myriad of other 12v power consumers. The 12v bar fridge is complimented by two large gas fridges (one on each level), however it has the advantage of being able to be left on so there's always a cold drink when you arrive.

240 VOLT CHARGER: We decided to opt for a fully regulated 80 amp charger. Apart from it's high charge output, it also has the option that being fully regulated you don't run the risk of boiling your batteries should the generator be running for a long period or if you are using shore power for a few days.

INVERTER: A Selectronic SA22 which is commonly used in solar boats, it has a maximum output of 2.5kW and continuous output of 1.6kW. It produces a "clean sine wave output" which eliminates any buzz through the sound systems.

HOT WATER AND PUMP SYSTEM

HOT WATER SERVICES: Given a double shower upstairs and a single downstairs, hot water to 3 showers was going to be an even bigger challenge, but this was partly overcome by installing ¾" copper water lines combined with two separate hot water units, one installed downstairs, the other upstairs.

12 VOLT WATER PUMPS. After some careful research I came across a new pump from Jabsco called the Dual Max Model 30670 Series. This is a single integrated unit, which combines 2 rotary style pumps pre-piped and mounted above an accumulator. Initially one pump cuts-in, and on failing pressure the second pump cuts in. We installed 2 of these units which in effect is 4 pumps which can concurrently run 3 good showers (how good is that!!)



ome Away From Home.

240 VOLT WATER PUMP. Once again the same minimum criteria as above applied, and a Davey Pump fulfilled this. This company makes a range of pumps specifically to run households. I selected the largest model the XP900H, and once again have experienced absolutely no problems meeting my design criteria.

THE ENGINES

We chose dual Yanmar 4LHA-HTZE's 150hp Diesel Sterndrives incorporating Mercruiser Bravo II Legs (Why? Cause they're the best....and because we sell 'em!).

These engines share all the benefits of Yanmar's commitment to protecting the environment in which we live - and therefore Lake Eildon, Victoria - the home of Rendezvous. Low noise, low vibration, low smoke and a highly economical use of fuel are just some of the features of these Yanmars.

With a maximum output of 150hp at 3300rpm and a dry weight 476kg each both were fitted as standard with 80 amp alternators so nothing extra was needed here other than enjoy their combined abundance of charge!

THE GENERATOR

A Mase IS8 Generator was chosen. It's a 8kVA water-cooled, 1500rpm, Yanmar powered diesel unit in silenced acoustic enclosure (pictured right). Why.....cause we sell 'em!



I could prattle on here forever but time is at an end. But before closing I should say that unless you have a strong constitution don't attend the launching. As the picture can attest, ours wasn't without it's dramas, and when the boat rolled over I thought we'd be starting all over again. But to their credit Ian and his boys stepped up to the task and after some painstaking three hours of hard work, finally got the boat around the problem corner and safely into the water. Thanks guys, it sure could have spoilt our Christmas.....and that of the insurer!

This generator has one single control panel that includes the switches and control and protection devices. Features include hour-metre, start-stop button, breaker in case of overload or short circuit, thermal switch and an engine cut-off module for automatic stop of engine in case of high water temperature, low oil pressure and high alternator temperature.

The soundproof cabin is made out of aluminium and has a high resistance to external agents and is light weight. The engine, a Yanmar 3TNE78A, is easily accessible when maintenance is required.

The cooling of the engine is based on a closed inner flow of coolant. The system is based on a heat exchanger seawater/coolant type where the thermal exchange occurs between the two liquids. Two separate pumps contribute to the flow of the coolant and the sea water. The cooling of the air inside the generator is obtained through a seawater/air exchanger which provides the efficient cooling of the alternator and the optimal temperature for the best performance and reliability of the gen-set despite it's onboard allocation.

For the comfort of all on board and especially for the girls who like thier home comforts Rendezvous is equipped with all modern appliances as well as a Sony Surround System which is awsome! Unless you come and experience it first hand, you'd find it hard to believe that you can sit in some quiet Eildon back water and experience cinema quality picture and sound.



The Mase Generator exhaust was piped via Mase's optional Super Silent components. These comprise a sound deadened Water-Lock and Water/Gas Separator. So given a 1500rpm engine, operating in a silenced enclosure and piped as described above, this installation is without doubt the quietest diesel genset installed in a houseboat. Not only is it quiet on our own boat, but we don't cause any inconvenience to those around us.





Marine Products



Terna Above



Yanmar 6LY-STE Above

Yanmar's Wright!

In 1909 Norman Wright borrowed 200 pounds to start his own business at 67 Newstead Terrace, Newstead. His first commission was a shallow draught gaff-rigged center board yacht. The first contract came with the building of the 56 foot ferry, "Olivene", which operated from Sandgate to Woody Point and Redcliffe for the Humpybong Steamship Company. Over the years to follow, Norman Wright's were involved with many projects that made history, typically, the building of "Francois" a 75 foot schooner and probably the largest racing yacht to be built by Wrights. Following the outbreak of war in 1939, and particularly after the Japanese bombing of Pearl Harbour in 1941, the military authorities engaged the Norman Wright yard, to refit all types of vessels. The famous "Fairmile's" were well known in war and the Navy commissioned four of their 112 foot patrol boats for Norman Wright to build. After the return to peace time conditions in the late 1940s there was a great demand for work boats such as trawlers, luggers, and vessels for the tourist resorts. During this period, the yard built boats for the Barrier Reef islands of Lindeman, South Molle, Orpheus, Magnetic and also Hayman Island.

Today, due to demand, Norman Wright Boat Builders have diversified into commissioning boats constructed from aluminium or composite fibreglass, while still maintaining their timber building heritage.

Whether the vessel is to be one of the many types of commercial vessels, plying their various trades, or a luxurious motor yacht; the vessels built by Norman R. Wright & Sons, on their Bulimba slipways, enjoy an enviable and on-going record for unquestionable seaworthiness, guaranteed performance and impeccable finish.

Such a profound commitment, coupled to high business ethics and the awareness of the legacy left them by the previous Wright generations, has produced in Bill and Ian Wright: the desire and drive to see the company handed to the next generation, with the same proud history and future expectations, with which it has now passed to them. The future of classical boat building in Australia, appears as sound today, as it did when their very capable predecessors inherited the same responsibility for and the guidance of, Norman R. Wright & Sons; boat builders with a past and future.

Terna

Norman R Wright's reputation for excellence has travelled far and wide. It has resulted in receiving a commission from a keen boatie in Norway. Norman R Wright & Sons likes to refer to the vessel as a Classic style cruiser. It was custom designed and built over an eight month period.

Terna (named by this prominent Oslo businessman) is fitted with twin 6LY-STE (350hp @ 3300rpm) Yanmar diesel engines with ZF 80A marine transmission with 2.5:1 gear ratio and 25" x 30" 4 blade propellers. The hull form is a typical Norman R Wright & Sons semi-displacement hull. It comprises a round bilge forward with a chine aft on the planing surface. This provides occupants with the best of both worlds, the performance benefits of a hard chine boat and the sea keeping attributes of a round bilge boat.

At the vessel's first sea trial it was so quick – 28 knots even on choppy seas – it even attracted the curiosity of the water police and indeed will do so when it makes it's appearance in Oslo for the Norwegian Summer.

The launch breezed through her trials of straight-line speed and tight-helm, hard-over port and starboard turns.

She produced a performance that drew favourable comments from those onboard including astute naval architect Ron Wright.

Innovated marine design skills combined with state-of-the-art construction technology attracted the rare northern hemisphere commission for the Brisbane boatbuilder.

TERNA is designed and built to meet the stringent EU requirements for all vessels entering into Europe and is CE Classified by Det Norske Veritas.



2001 Melbourne Boat Show

Yanmar was well represented at this years show. Power Equipment's fantastic stand stood out above all others made evident by the numerous amount of visitors and inquiries. Well done to Mike Edwards and all the crew who helped make this years stand the best yet and thank you to all the dealers who donated their time.



Next Month Yanmar Powered Ski Boat

It may not be well known but the Yanmar 230hp 4LH-STE weighing in at 407kgs has the best power to weight ratio in it's class. This was put to the test recently when Peter Webb of Performance Marine in collaboration with Power Equipment installed a 4LH-STE in a Skicraft Senator Ski boat. Intended as an alternative to a Chevy based 270hp inboard, the initial sea trials proved to be quite astounding. Full technical and final sea trial information will be provided in our next issue.

On Display At Melbourne Boat Show



New Recruits

To All Staff, Customers & Suppliers,

It is with great pleasure that I announce a number of recent Staff Appointments to bolster our ever growing sales and customer base.

Michael Blair: NATIONAL MARINE SALES MANAGER, H.O.

Michael joins us and replaces Con Mammides in this very important role. Having served his time with International Trucks, and been awarded **Apprentice of the Year** in his final year, he subsequently moved to the Detroit Engine Company in 1987 and started what turned out to be a long and very successful career with them. Having started as a Sales Co-Ordinator, he was quickly promoted to Sales Engineer in Detroit's Brisbane Office, before being sent to their Townsville Branch as Manager. Such was his success that he was then again promoted to NSW's Sales Manager, before finally being promoted to the position of National Sales Manager-Off Highway Products, Detroit Diesel Allison. Needless to say, at 36 Michael brings with him an abundance of experience. He can be contacted via email on michael.blair@yanmar.com.au or Direct In Dial 03 97579210, Mobile 0419300299. We wish Con every success in his future career, and thank him for leading the Marine Sales Team for exactly four years, during which time our Marine sales have almost tripled!



Michael Blair

Tony Preece: NATIONAL CUSTOMER SERVICES MANAGER, H.O.

Tony joined us on June 4th to bring greater depth and support to our Technical Division. He will work in co-operation with our National Engineering Manager Erik Meijer, and all of our interstate Engineering Staff. Tony has had a long and distinguished career with Cummins, with extensive experience in Application Engineering, Dispute Resolution, Warranty Analysis, Engine Re-Manufacturing etc. etc. the list is endless! Tony will be a valuable asset to PE and can be contacted via email on tony.preece@yanmar.com.au or Direct In Dial 03 97579221.



Tony

Darren Bird: SENIOR MARINE SALES ENGINEER H.O.

Darren joined us at H. O. on April 17th, and is responsible for Marine Engine Sales in Victoria, South Australia and Tasmania. Darren completed a Diesel Apprenticeship with Cummins in the mid '80s and subsequently transitioned into engine sales with them before spending some time with Kubota. Darren brings with him the skills of a hands on technician, moulded with sales and application experience which will be invaluable in his current position. Darren has just completed an exhaustive few weeks travelling around his new territory, and receiving product specific training. He can be contacted via email at darren.bird@yanmar.com.au or his Direct In Dial 03 97579214, Mobile 0418 531098.



Darren

Michael Schadee van Dooren: DIESEL ENGINEER H.O.

Yes, yet another Michael, (bit of a mouthful isn't it. I think that makes 5 Michael's!). Michael joined us on May 22nd to meet the ever growing demand associated with the preparation of more and more customer ordered engines, both Marine and Industrial. I have no doubt that our Operations and Stores Staff will appreciate the added input which Michael will have.



Michael SVD

Gabby Tesselaar: SPARE PARTS CO-ORDINATOR H.O.

I am delighted to welcome Gabby back to the company. For those of you who remember Gabby, you will also recall that she was just a delight to have around. Gabby returns to her original position in the Spare Parts Division, and will bring some welcome relief to Mike Candy and David Keenan. Gabby commenced on June 18, and can be contacted via email at gabby.tesselaar@yanmar.com.au or Direct In Dial 03 97579219



Gabby

Ray Christensen: DIESEL ENGINEER WA.

Ray joins our West Australian Branch (in our "fancy" new Fremantle Premises, well done guys and girls!) effective July 2nd. Ray will provide a sales support role liaising with OEM's to ensure correct engine installation, through to sea trials, warranty, service and repairs. Ray is an important addition to the WA Team given the dramatic uplift in both Pleasureboat and Commercial Marine & Industrial engine sales from this large state. Ray can be contacted via email at ray.christensen@yanmar.com.au or 08 94332300



Ray

Sonya Martin: TELEPHONIST / RECEPTIONIST QLD.

Last but certainly not least, I am also pleased to announce the appointment of Sonja in our Queensland Branch. With a full male crew Sonja will no doubt bring some pleasant relief, and no doubt much needed "discipline" to the Men from up North! Sonja can be contacted via email on sonya.martin@yanmar.com.au or 07 3399 1911.



Sonya

To our customers and suppliers, I hope you will join with me in welcoming all these folk to the growing family onboard the good ship Yanmar. While some companies are talking full-blown recession or shortlived slow-down, we are taking the opportunities and increasing our marketshare! So I would like to thank you all for making Power Equipment the success it is today, and I trust that our new "expanded team" is able to serve you all better as we move forward in a professional and planned manner.

Allan Foster
Managing Director