



# AMATEUR BOAT BUILDERS' ASSOCIATION

**April May 2019**

## **CAST IRON KEEL TREATMENT**

The subject of our April Technical meeting was treatment of cast iron keels. ABBA member, Bruce Cadee has an MB24 yacht with a cast iron keel. He slipped the boat for the first time in June 2014 and found the keel was in poor condition. He could only have the boat out of the water for 4 days in very cold weather to complete any work but on his own he was able to treat the keel, rub back and antifoul the hull and polish the topsides. Due to circumstances, it was nearly 4 years before the yacht could be slipped again and Bruce expected the worst. He was pleasantly surprised at how well the keel treatment had stood up. The following collection of photos show the steps and products used to treat his cast iron keel.



July 2014



Many blisters present only a few years after being "professionally" treated



Where most of the old antifouling ended up



Keel ground back to bare metal using 4" angle grinder fitted with a metal grinding disc on advice from Gary Martin of Boat Paints. A slow and noisy task.





After removing most of the rust, grinding disc replaced with a sanding wheel to get back to shiny metal

No time to use a rust convertor  
Some rust left in the deeper pits



Applied Hempel two pack epoxy primer & undercoat directly to the shiny metal. ( Hempel Light Primer & Curing Agent 95360 Ratio 2:1) No time to fill and sand so some divots remained. No time to give keel to hull joint much attention so expected this to be a rust area next time boat was slipped.



2 coats of Hempel antifouling applied to Light Primer. No evidence of applying an underwater primer before the antifouling. 4 years later the white Light Primer was clearly evident but little or no black antifouling remained. I believe that an underwater primer is required to get the antifouling to stick to the Light Primer epoxy.





NEARLY 4 YEARS LATER

MARCH 2018



The hull didn't look too bad after so long in the water. I went over the side with a brush about once a year but there was no serious attempt at keeping the hull clean.



Any black antifouling was easy to remove. I think this was due to failure to apply underwater primer last time it was out

Rust where keel joins the hull due to lack of time in 2014



There were some rust spots evident after 4 years. The advice from Gary Martin's son at Boat paints was grind them back to bare metal and essentially treat them as I did in 2014. I was advised to use Galmet Ironize Rust Converter & Sealer. This product is not phosphoric acid based like Ranex but is a chelate which does a similar job in converting the iron oxide but it also contains a sealer.





There was the occasional distraction



2 coats of Hempel's Light Primer was applied to the keel. Norglass Norfill was used to fill any divots and create a fillet where the keel joins the hull. The back of a metal teaspoon was used to form the fillet



A coat of Hempel's Underwater Primer was applied. More fairing was done and primed over.



2 coats of antifouling were applied. More work needed next time but a great improvement

After the presentation there was a number of good questions raised and a discussion about the experiences of others.



## **A VINTAGE OUTBOARD DAY OUT IN THE VALLEY**

On a beautiful early winter's day we broke with tradition and held a Toolbox Visit on a Sunday. We were made most welcome by members of The Westralian Old Outboard Chapter of the Antique Outboard Motor Club Inc, for one of their meetings. The event, the people and the venue were magnificent. ABBA members who couldn't attend missed out on a most enjoyable, unique and unforgettable day.

After we arrived we were given a tour of the owners extensive collection of rare and unique vintage outboards and other collectibles. We were then treated to a sausage sizzle and some homemade goodies generously provided by our hosts. After lunch we got down to business and watched some vintage outboards in action. The action for some lasted longer than others but considering they hadn't been started for many years it was a fine achievement. The following pictures can't capture the tension as the starting cord was pulled or the cheers of the crowd as the engines fired and kept running.



An Australian made twin cylinder Riptide outboard





Cromac, another Australian made outboard



Clarke Troller, a small motor regarded as one of the most unusual outboards ever made. Troops jumped out of planes with it on World War II stealth missions.







An unusual 1.5HP Viking outboard from the UK



A British Anzani in action



Many thanks to Boyd, Steve and Howie and other club members for a great day out and the start of an ongoing relationship between our two organisations.

# ADMINISTRATION NOTES

## ABBA COMMITTEE

President	Ken Potts	0421 178 991
Sec/Treasurer	Bruce Cadee	0419 508 785
Newsletter Editor	Bruce Cadee	
Library	Rosemary Nayler	9455 1470
General Committee	Rob Bingham	9246 0202
	Luis Gouveia	0477 172 881
	VACANT	
	VACANT	
	VACANT	

You can see there are a number of vacancies on the committee that need filling in order to spread the load and ensure that the Amateur Boat Builders' Association can continue to provide high standard Meetings and Toolbox visits and the other benefits of membership. Please talk with any of the existing committee members or contact Bruce Cadee on 0419 508 785 or [cadeefamily@bigpond.com](mailto:cadeefamily@bigpond.com) about joining the committee.

## SPECIAL ADMIN NOTE:

**Welcome to a new financial year which means that annual ABBA subs of \$30 are now due. You can pay in cash at a meeting or pay by bank transfer from your computer or phone app. Our BSB is 066130 and account is 10168343. Please include you name in the description. Contact Bruce Cadee on 0419 508 785 or [cadeefamily@bigpond.com](mailto:cadeefamily@bigpond.com) if you have any questions.**

## JUNE MEETING

Our next Meeting will be on Wednesday 5<sup>TH</sup> June as usual in the Heritage Room at South of Perth Yacht Club, 7:30 for an 8pm start.

Past President, Chris Davis has put in a lot time preparing for this meeting and will make a presentation about his recent trip to Tasmania. It will focus on his attendance at this year's Wooden Boat festival but will also include other attractions of the Apple Isle. ABBA was well represented at this year's festival with a number of members in attendance.

## JULY TOOLBOX VISIT

Our next Toolbox will be a visit to the workshop of leading Perth Shipwright, A.J Woodall from 2:00 to 4:00 pm on Saturday 6<sup>th</sup> July at 13 Lerista Ct, Bibra Lake. It has been more than 5 years since Arron Woodall last hosted ABBA at his premises and I'm sure he will put on an another educational and entertaining event. Come along with any questions or problems you may have.

## AUGUST MEETING

The topic of our August meeting will be on the basics of electric propulsion for boats. Details to be advised closer to the date.

## SEPTEMBER TOOLBOX VISIT

Our September Toolbox will be a visit to see the progress of the 14ft timber boat being built by ABBA member Damien Bourke. Details to be advised closer to the date.

## ABBA IN THE COMMUNITY

Despite handing out many ABBA Brochures at recent events without much success, a recent new member learnt about us from a Brochure he picked up at East Fremantle Yacht Club. If you are a member of a club, association or workplace where you can leave some of our brochures, please contact Bruce Cadee on 0419-508 785 or at [cadeefamily@bigpond.com](mailto:cadeefamily@bigpond.com) who will happily arrange a supply for you.



## **ADMINISTRATION NOTES (Cont'd)**

### **ABBA LOGO**

Members are reminded that Bruce Cadee has made arrangements with Shaun Luong of Image Embroidery at 26 Tulloch Way, Canning Vale (Phone 9456 2324 Mobile 0403 250 389) for an embroidered ABBA logo. The logo can be applied to your own clothing (assuming it can be accommodated in their equipment) or to shirts, caps or hats purchased through Image Embroidery. Feel free to call in on Shaun to look at the limited range of clothing he has on site or visit the following web sites to choose your preferred style, size and colours. The weblinks below are only examples of the wide range available. Half chest measurements are included on the web sites to help ensure you select the correct size. Ladies styles are also available.

### **Clothing (excluding Logos)**

**Style 1300** – Aussie Pacific Mens Murray Polo, Navy/White/Ashe or White/Navy/Ashe - **\$20.00 + GST each**

**Weblink:** [http://www.aussiepacific.com.au/the-murray-polo-navy-white-s?color=Navy%2FWhite%2FAshe&primary\\_color=Navy&secondary\\_color=White](http://www.aussiepacific.com.au/the-murray-polo-navy-white-s?color=Navy%2FWhite%2FAshe&primary_color=Navy&secondary_color=White)

**Style 1304** – Aussie Pacific Mens Eureka Polo, Navy/White/Ashe or White/Navy/Ashe - **\$21.00 + GST each**

**Weblink:** [http://www.aussiepacific.com.au/mens/polos/eureka-polo-sky-navy-s?color=Sky%2FNavy%2FAshe&primary\\_color=Sky&secondary\\_color=Navy](http://www.aussiepacific.com.au/mens/polos/eureka-polo-sky-navy-s?color=Sky%2FNavy%2FAshe&primary_color=Sky&secondary_color=Navy)

### **Hats/Caps (excluding Logos)**

**Style 4199** – Headwear Brushed Heavy Cotton Cap, White/Navy (many other colours available too) - **\$6.50 + GST each** **Weblink:** <http://au.headwear.com.au/productDetails.cfm?&prodID=53&prodCatID=2&pageNumber=1>

(Also refer poly/cotton legionnaires hats Styles 4057 or 4126 for maximum sun protection under website sub heading ‘Hats, Visor & Beanies’ <http://au.headwear.com.au/productList.cfm?&pCategoryID=7>)

**Style 4199** – Headwear Brushed Heavy Cotton Cap, White/Navy (many other colours available too) - **\$6.50 + GST each (includes poly/cotton legionnaires hats for maximum sun protection under website sub heading ‘Hats, Visor & Beanies’)**

**Weblink:**

**Style 4223** – Brushed Sports Twill Bucket Hat, White/Navy (many other colours available too) - **\$8.00 + GST each**

**Weblink:** <http://au.headwear.com.au/productList.cfm?&pCategoryID=7&page=2>

To make your annual membership even more value for money, ABBA will pay for up to 2 logos per financial year to be applied to your items of clothing. The current cost to ABBA is \$7.15 per logo. There is no intention for this to be an ABBA uniform so the choice of style and colour is totally yours. If you are seen wearing the logo while building, working on or using your boat or anywhere for that matter it might get people asking questions and wanting to join our association. You are free to deal direct with Image Embroidery but please ensure you get an itemised invoice showing a separate price for the logo and present this to Bruce Cadee for reimbursement. Bruce Cadee is happy to take orders and liaise with Image Embroidery if you so wish.