

MARINE TORQUE TALK

What's happening on the water from ...

VOLVO PENTA

Whangaroa Coastguard

Boaties on Northland's east coast will feel safer following the recent launch of the Coastguard's new, purpose-built rescue vessel for its Whangaroa station.

Kahurangi – 'treasured possession' – is based at Whangaroa Coastguard in the Whangaroa Harbour. Within this northern haven are many sheltered bays, a small marina and the Whangaroa Sport Fishing Club, which plays host to local and visiting charter boats. Come summer holidays, the bay swells with recreational boaties from as far afield as Tauranga and Auckland.

Coastguard Whangaroa evolved from a local maritime radio service established in the 1960s, providing a full VHF and SSB service to both commercial and recreational users – including the off-shore cruising sailors heading into the South Pacific.

This fledging service was operated by Dolly Teixeira for 35 years. After her death, Whangaroa Volunteer Coastguard Radio Inc, was established in 1997. The service continued until a new radio repeater on VHF CH 62 was installed in early 2007.

A year later another new repeater on CH 84 was installed, enabling 24/7 monitoring and incident control from Coastguard Northern Region's dedicated marine rescue facility in Auckland. With incident control no longer required locally, the next step was to obtain a dedicated rescue vessel to be located in Whangaroa, crewed by local volunteers.

In 2009, with the assistance of Coastguard Northern Region, the ex-Tutukaka 8.5m Protector was obtained. This vessel was an ex-Team NZ support vessel from the 1990s and continued to give excellent service to Whangaroa. But she was aging and only kept operational with regular maintenance and costly upgrades to the engines and tubes. She has now been sold and retired from the Coastguard fleet.

New Boat

In early 2014, proposals were sought from New Zealand boat builders for a rescue vessel in the 10 – 12m range. Five proposals were received for existing and new designs – in both alloy and GRP construction – with options of outboards, diesel engines on either jets or stern drives.

The team elected to go with a proven GRP hull from Smuggler Marine and a pair of efficient Volvo D4 diesels on the latest DPH stern legs.



Kahurangi is powered by twin Volvo Penta D4-260/DPH Aquamarine Duoprop – DPH Stern Drive marine diesels. Developing 260hp@3500rpm, these units offer a maximum torque of 615Nm@2500rpm. The optimal cruise speed during sea trials was 21-27 knots, consuming 1.9 - 2.1 litres per nautical mile.

At these speeds the *Kahurangi* would have a service range of 350 to 380 nm with 10 percent fuel in reserve.

Specifications

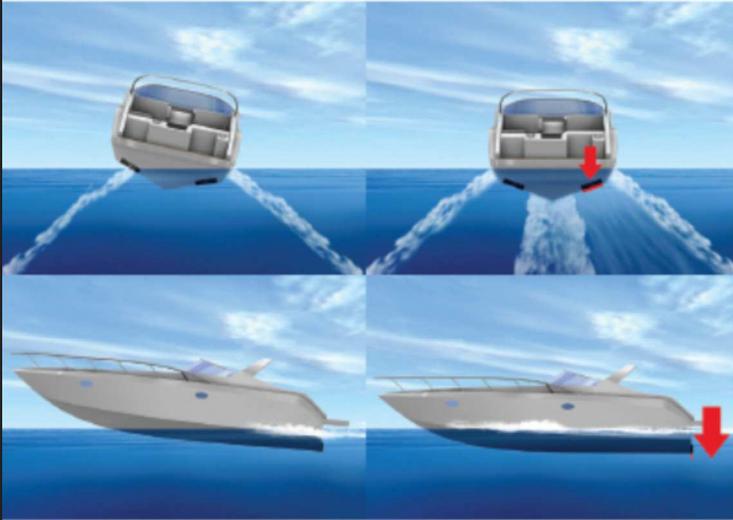
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|---------------|---|
| LOA | 11.2m |
| Beam | 3.3m |
| Draft at rest | 700mm |
| Deadrise | 28 degrees |
| Weight | 4,850kg |
| Power | 2 x Volvo Penta D4-260/DPH Aquamatic Duoprop. |
| Fuel | 800 litres diesel |
| Top speed | 38 knots |
| Service speed | 26 knots |
| Designer | David Pringle |
| Builder | Smuggler Marine, www.smuggler.co.nz |



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FUEL SAVING WITH HUMPHREE



Paul, an owner of a Riviera 44 with IPS 600 enjoys his boating in the Picton area but he wasn't happy with the attitude of his boat from acceleration to cruise speed of around 22 knots. Paul's main issue was the bow was so high he had difficulty having a safe and comfortable view.

The trim tabs that were originally fitted from new were not performing and they had to be left fully down all the time and eventually jammed that way.

Paul initially saw Volpower's advertisement in NZ Boating for the new 'Humphree' trim system and gave us a call. We encouraged Paul to visit the Auckland On The Water Boat Show and sent him some tickets.

At the Show Paul had a first-hand look at the Humphree system and got to talk with the factory representative. Following this he was put in direct contact with Volpower's dealer in Waikawa, Seatech Marine who already service his boat for him.

Seatech evaluated the vessel for installation and the order was placed. 600mm interceptors were spec'd for the vessel but during installation it was too difficult to install these and an upgrade to 750mm interceptors made the job much easier.

A few weeks later Paul had a set of 750 Interceptors fitted with the standard auto trim software and he also upgraded to the Auto List software. This proved to be a "must have" for this vessel.

Volpower NZ staff flew down to assist with the seatrial and were impressed with the quality of installation. The unit configured up perfectly and the seatrial commenced. Paul had a dinghy on davits attached to the boarding platform and without any trim assist the dinghy would rattle and bang until you were well up on the plane.

After recording trim angles at different speeds we started mapping the hump curve of the vessel and slowly developed a graph for the Humphree's to control the vessel's attitude. After a short while we had the boat performing at a comfortable angle all the way through the speed range with some massive fuel economy gains in the 18-22 knot range. The boat is now an absolute pleasure to drive and all the rattles and bangs from the dinghy are gone. Paul had 100% clear vision under all speeds and it felt like a different boat.

Paul was also impressed with the fuel saving the Humphree system made. For example at 18 knots there was a 26 litre per hr saving. With that saving The Humphree system will pay for itself in no time.



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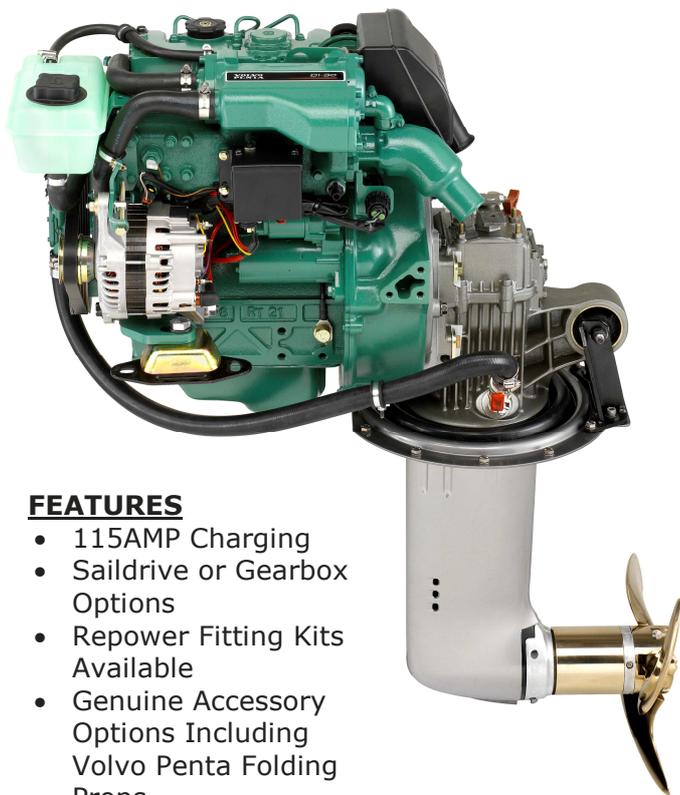
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DICKEY 45 PREVIEW



**FULL REPORT IN
NEXT ISSUE**



Dickey Semifly 45

- **LOA:** 14.3m (46 feet 7 inches)
- **Beam:** 4.85m
- **Draft:** approx. 0.4m
- **Deadrise:** 16-degrees at transom
- **Construction:** Aluminium
- **Weight:** 12,750kg dry
- **Engines:** 2 x Volvo Penta IPS 600 435hp
- **Fuel:** 2,200 litres, plus 800-litre bladder
- **Water:** 450 litres
- **Cruising Speed:** 20 - 30 knots
- **Max Speed:** 34 knots
- **Manufactured by:** Dickey Boats, Napier
www.dickeyboats.com

FAREWELL TO PAUL ERIXON AND WELCOME TO DION WORTHINGTON



As at 23rd December Paul Erixon will be leaving Volpower NZ Limited, after 30 years with Volvo Penta and 24 years with Volpower NZ Limited, as he is relocating to the Queenstown Lakes area close to Wanaka at the end of the year.

The staff at Volpower wish Paul all the best for the future.

Paul will be replaced by Dion Worthington.

Dion has more than twenty years of automotive parts history behind him at both dealer and distributor levels. However, he is looking forward to his role in the marine industry.

He enjoys fishing and diving in the Kawau Island area.



SOUND PROOFING

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Wishing you peace, joy and all the best this wonderful holiday has to offer.

May this incredible time of giving and spending time with family bring you joy that lasts throughout the year.

Merry Christmas and Happy New Year from all the staff at Volpower NZ Limited.



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WHANGAPARAOA: Marine Solutions Gulf Harbour.

Whangaparaoa Ph 09-424-1260

AUCKLAND:

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Ovlov Marine - Pine Harbour Limited. Beachlands Ph 09-5365249

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PORIRUA: KP Marine. Porirua Ph 04 233 6164

WELLINGTON: Strait Marine Parts & Services Limited.

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FIJI:

NADI: Yacht Help Fiji. Nadi Ph 679-675-0911-2

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