

MARINE TORQUE TALK

Spring 2013

What's happening on the water from ...

VOLVO PENTA

NEW VOLVO PENTA D11 & IPS

More Power, Better Manoeuvrability with Less Emissions

Volvo Penta launches a completely new generation of the proven D11 series. The new engine programme has a peak power of 725 hp, and with a more powerful torque, improved drivability and reduced noise levels it becomes a strong addition to Volvo Penta's world-leading inboard programme. Naturally, the new generation also meets the world's strictest emission regulations.

Volvo Penta's new D11 series is expanded from today's 670 horsepower to be offered in no fewer than four power classes: 510, 625, 670 and 725 hp.

"We have further enhanced our twin-entry turbo where each exhaust pulse now is used maximally to provide charging pressure. This gives an extremely powerful torque already at low revs. The engine responds instantly to control commands and provides an altogether clearly improved drivability and stronger acceleration," says **Thomas Lantz**, Chief Product Manager at Volvo Penta.

The Volvo Penta D11 will become the natural choice for flybridge yachts and sports cruisers between 45 and 55 feet. These boats weigh around 20 tons, which places high demands on the engines' torque when it comes to getting the boats on the plane.

"The high torque at low rpms gives rapid acceleration to the plane. This is important for both safety, fuel consumption and comfort... Thanks to a new and more efficient turbo and air filter with improved noise reduction, we reduce the perceived noise levels significantly with the new D11. At the same time, the robust design helps minimize the on-board vibrations," says Thomas Lantz.

"More power with less environmental impact"

The equation more power with less environmental impact may seem impossible to achieve, but with the new D11 this is exactly what Volvo Penta has managed to accomplish.

Thanks to the efficient combustion, the new D11 series comply with the world's most stringent environmental legislation, U.S. EPA Tier 3, which comes into force in 2014. The particulate emissions will then be 40 percent lower compared with today's levels.

Integrated with the latest EVC

The engines use the latest generation of Volvo Penta's electronic platform, the EVC (Electronic Vessel Control). The latest generation of EVC enables an additional number of features for increased security and control, and improved functionality.

For both shaft installation and Volvo Penta IPS

The engine series will be available for both traditional shaft installations and Volvo Penta IPS. Based on the new D11, the IPS800 and IPS950 are also launched. In addition to the benefits of more power, they fully utilize the unique advantages of the IPS concept in terms of

With steerable drive units and double forward-facing propellers, the IPS system provides about 30 percent lower fuel consumption and 20 percent higher top speed compared with traditional shaft installations.

"Based on the D11, the new IPS models deliver tremendous power and strength throughout the rev range, and you will be amazed at how maneuverable these boats are. The drivability is great at both high and low speeds and the driving joy is total," says Thomas Lantz.



*Visit us at Site 118 at the On Water Boat Show in Auckland
26th—29th September 2013*

WARRANTY INFORMATION

Buyers of Volvo Penta engines and transmissions for leisure applications can look forward to double improvements for the Volvo Penta warranty commitment this summer. The basic limited warranty is extended to up to two years for the whole product and an additional up to three years for certain major components. Accessories purchased simultaneously with engines will also benefit from an extended warranty period.

The Volvo Penta warranty for leisure engines and transmissions will be extended to comprise up to 2+3 years. During the first two years of usage, the new Volvo Penta International Limited Warranty offers repair or replacement of defective parts on the whole product. As is customary in the business, the warranty has an operation-hour limit depending on the engine and transmission used. The time limit, however, is generous bearing in mind that the limited warranty is for leisure use only.

Major components receive additional protection

The additional up to 3-year warranty for major components takes effect as the initial warranty period has expired. This provides the boat owners with additional protection.

Accessories too

An extra feature is that accessories that are regarded as part of the engine package will receive up to two years warranty protection.

New Extended Coverage (purchasable)

With the new Extended Coverage for marine engines and transmissions, Volvo Penta takes another step towards making boating life easier and more trouble-free for leisure boaters all over the world. By extending the protection, the owner will be able to stay ahead of possible future repair costs.



Most leisure boaters wish to keep full control of all costs connected with their boating life and a good warranty means peace of mind. As an addition to the newly improved Volvo Penta International Limited Warranty, the Extended Coverage offer is a welcome "piece of the puzzle" for the boater. The basic objective – and the primary user benefits – of the Extended Coverage is predictability and control.

Peace of mind

Volvo Penta's new standard warranty means that Volvo Penta engines and transmissions are fully protected for two years plus an additional three years for the engine's and the transmission's major components.

With this in mind, the purpose of the new Extended Coverage is obvious. By offering Volvo Penta boaters a full engine and transmission protection – i.e. repair or replacement of defective parts – also for year 3-5, they will stay protected even after the standard warranty has expired. This will give peace of mind to the many leisure boaters who want to make sure that their favourite pastime is protected from unexpected costs.

Leisure first

Volvo Penta's objective is to supply a global offer for all engines. So, as a first step, Volvo Penta will introduce the Extended Coverage offer to leisure boaters in October 2013. Around the end of 2013, the marine commercial industry will also be able to take advantage of the extended coverage.

PROSPECT

Fisherman David Excel has been fishing the Fiordland coast since 1978.

This is the third boat that Tony Gough has built for David over the years.

Powered by a Volvo Penta D16-750hp the 16.1lts marine diesel is an in-line six, specially designed and developed for installation in heavy duty commercial displacement craft. The latest design in modern diesel technology, the engine has a high pressure fuel injector system, four valves per cylinder, "twin entry" turbo and charge air cooler.

Remembering that this is not a light boat, the Volvo Penta was able to deliver a top speed of 20 knots at 1900rpm with an economical service speed of 14 knots at 1400rpm. Interestingly, the speed just about followed the rev range during sea trials. During these trials at full 1900rpm the fuel consumption was 135lts per hour. Throttle back to 14 knots at 1400rpm resulted in 70lts per hour. 10 knots at 1000rpm was 25lts per hour and at idle 700 rpm it was 7lts per hour.



Because these vessels spend a lot of time at idle when hauling and setting pots and at a 1000rpm when working between pots, fuel consumption average for a day's fishing is surprisingly low and can average less than 20lts per hour. With 6000lts of fuel on board with 2000lts of water, the number of operating days this vessel can do is quite large.

LOA	17m
Beam	5m
Draft	1.5m
Displacement	19t light ship
Deadweight laden	43t
Power	Single Volvo D16 750hp marine diesel
Designer	Tony Gough
Builder	Gough Bros
Service speed	15 knots at 1500rpm



Photograph is courtesy of Chris Howell and article courtesy of Skipper Magazine.

Ovlov Yacht Repower

RACOR FUEL FILTERS

Agathis is a ketch rigged yacht designed by the John G. Alden design team. Agathis was built by Keith Atkinson a well known Auckland boatbuilder and boat designer in 1977.



The ketch rig is ideal for the sometimes challenging conditions encountered sailing the New Zealand coast. On a breezy day she needs only the jib and mizzen to reach an easy 7-8 knots and she makes light work of any swell with the generous beam.

A new Volvo 40 HP diesel was installed by Ovlov Marine in July 2013. It drives the boat at 7 knots and the 450 litre stainless steel diesel tank gives a generous range under power.

Specifications

Engine manufacturer: Volvo Penta D2-40
LOA: 46'
Beam: 11' 9"
Weight: 11 tons



Ovlov Marine
142 Beaumont Street
Westhaven, Auckland Central
Ph 09-377-4285

WAVE DANCER



Matakana Marine & Engineering recently repowered Wave Dancer, a Rayglass 850 fishing and diving charter boat based out of Sandspit.

The previous Yamaha 275 HP diesel pushed the boat to 34 knots but loaded with clients and gear it would really struggle on to the plane.

The new Volvo Penta D4-260 has taken care of this problem. The massive torque from the 260 pops her onto the plane with ease. Top end speed is 34.5 Knots.

The added bonus for Owner /operator Peter Burk is the fact that he's now cruising at the same speed for less rpm and no soot to clean at the end of each trip.

Aaron Stenbeck
Matakana Marine & Engineering
50A Matakana Valley Road
Matakana
Ph 09-422-7822



Specifications

Make: Rayglass 850
Engine manufacturer: Volvo Penta D4-260 DPH
Top speed: 34.5 knots

Parker Racor Fuel Filter



Together, we can
protect your investment in engines and fuel, maximize fuel economy, performance and maintain a clean environment.

Parker Racor fuel filters are built with patented Aquabloc elements to obtain maximum efficiency, high dirt holding capacity and are used by many engine manufacturers worldwide for their reliability.

Racor Turbine Series is the most complete, most efficient, most reliable high-capacity engine protection you can install.



0800 VOLPOWER

SONIHULL

Ultrasonic Antifouling System

Keeps your hull cleaner,
all year round

Banish the Barnacle
with *Sonihull!*

Easy to install
No hull penetration required

SONIHULL KEEPS YOUR HULL CLEAN

- Uses ultrasonic energy pulses to make surfaces less attractive to barnacles and algae.
- Helps prevent marine growth on hulls, pipe work and sea chest s.
- Less marine growth means less hull friction, which means better fuel economy.
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ENVIRONMENTALLY FRIENDLY

Tests demonstrate that electronic antifouling products have no adverse effect to fish. The 'SONIHULL' Ultrasonic signal stays very close to the hull structure and does not stray into open water.



Very easy to install
Kits available for cats and monohulls

www.volpower.co.nz

0800 VOLPOWER

JB Marine Ltd Trading as *Lowes Marine*



On 2nd September 2013 James Dunlop-Christie, with the help of a financial backer, took over the business of Z Corporation T/A Lowes Marine Services 2012, located in Paihia.

James was previously the Service Manager, for the previous two owners of Lowes Marine, therefore he is very experienced with Volvo Penta product.

JB Marine will carry on trading as Lowes Marine and James will continue to service and sell all Volvo Penta marine products and Hida outboards.

SOUND PROOFING

Pyrotek

noise control

Volpower distribute affordable Pyrotek Noise Control products through our dealer network to provide sound proofing solutions for marine and industrial applications. To see samples contact your local Volvo Penta Dealer now, or go to www.volpower.co.nz



2 YEAR WARRANTY ON ALL NEW VOLVO PENTA MARINE ENGINES

*Applies to non-commercial use only. Conditional on annual service by a authorized Volvo Penta dealers.

VOLVO PENTA MARINE DEALER LIST

NEW ZEALAND:

OPUA: Lowes Marine Ltd. Paihia Ph 09-402-8375
WHANGAREI: Ray Roberts Marine. Whangarei Ph 09-438-3296
MATAKANA: Matakana Marine & Engineering Ltd. Matakana Ph 09-422-7822
WHANGAPARAOA: Marine Solutions Gulf Harbour.
Whangaparaoa Ph 09-424-1260

AUCKLAND:

Ovlov Marine Ltd. Westhaven Ph 09-377-4285
Ovlov Marine - Pine Harbour Limited. Beachlands Ph 09-5365249
Allvo Marine & Engineering Ltd. Howick Ph 09-535-9189
Bensemman Boating Centre Ltd. Westpark Marina Ph 09-416 2 190
WHITIANGA: Pacific Coast Marine & Diesel. Whitianga Ph 07-866-0551
BAY OF PLENTY/WAIKATO: Coastline Marine Limited.
Tauranga Ph 07-574-9613

TAUPO: Fleet Marine Limited. Taupo Ph 07-378-8514

NEW PLYMOUTH: West Coast Marine. New Plymouth Ph 06-759-0939

GISBORNE: Harbourview Marine Ltd. Gisborne Ph 06-868-8686

NAPIER: Hawkes Bay Marine (2005) Ltd. Napier Ph 06-843-5000

WANGANUI: Marine Services Wanganui Ltd. Wanganui Ph 06-345-6958

PORIRUA: KP Marine. Porirua Ph 04 233 61 64

WELLINGTON: Strait Marine Parts & Services Limited.

Wellington Ph 04-568-8062

PICTON: Marine Engineering Ltd. Picton Ph 03-573-6477

PORT NELSON: Aimex Ltd. Port Nelson Ph 03-548-1439

KAIKOURA: Kaikoura Marine Services Ltd. Kaikoura Ph 03-319-5276

CHRISTCHURCH: Southern Viking Ltd. Christchurch Ph 03-348-8976

WANAKA: Torque Marine. Wanaka Ph 03-443-6404

FIJI:

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

WEBSITE INFO: Visit our website for new and used engines and trans, parts, accessories, servicing etc. www.volpower.co.nz

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