

## Yanmar – The Only Engine That Lasts the Distance

Commercial fishermen the world over are amongst the toughest critics of marine engines. Dick Cleall is a Yanmar man through and through having been at sea all of his life. His most recent boat, Bayview, is powered by a Yanmar 6CXM-GTE2.



Dick Cleall is a Cray fisherman, working with his four sons and two boats out of the small coastal town of Kaikoura, 180 km north of Christchurch in New Zealand.



The brand new Bayview recently built for Dick Cleall by Pro Fab Engineering has a length overall of 13.4 m. With a beam of 4.3m and a displacement of 10 tonnes, this is a purpose designed exclusively Cray boat. With Bayview, there was never any doubt that it would also be Yanmar powered.

The hull is a relatively shallow deadrise design, but there are big wide flat chines to aid stability and low speed planing. The 4 blade prop spins in a shallow tunnel with the conventional inboard rudder fitted for'ard of the transom.

When it came to the engine for Bayview, Dick Cleall decided to use the Yanmar 6CXM-GTE2 which was already fitted to one of his existing Cray boats.

“It seemed pointless to buy a new engine when my existing Yanmar was just a baby with only 4000 hours on the clock,” Dick Cleall said.



The Yanmar 6CXM-GTE2 is a powerhouse 6 cylinder in-line engine which develops 500 mhp at 2,900 rpm. Displacing 7.413 litre (452 cu in) the Yanmar 6CXM-GTE2 features a free breathing 4 valve per cylinder head, extra large oil cooler, galley cooled pistons and a turbo charger with intercooler induction system. The turbo itself is an advanced waste gated water cooled design that delivers quick throttle response and maximum boost at lower RPM levels.



Matched to the Yanmar 6CXM-GTE2 in Bayview is a ZF transmission running a reduction gear ratio of 2:1. A gen set in the engine room drives the high volume electric water pumps that feed the deck mounted live Cray tanks. Fish tanks fitted under the deck are used as bait tanks.

A typical day for Dick’s sons, Peter & Simon sees them and their two “deckies” leave port at 4:45 am and return back home twelve hours later. Throughout the day the engine runs at a work speed of 2500 rpm where the hull cruises at a steady 17 knots. With the throttle wide open, the Yanmar engine spins up to 2900 rpm for a maximum speed of 22 knots. The only time the engine drops back to an idle is when the boat comes up to a Cray pot.

The Cray season runs from May to September and in the off season the boat is used for long lining. All up they log about 2000 engine hours a year.

“As far as we are concerned, Yanmar is the only engine that will last the distance,” Dick Cleall said.

Over the years Dick Cleall has had many different Yanmar marine engines in his boats, all big powerful diesel engines that have taken him to sea for thousands upon thousands of hours. These include various Yanmar 6LY models, Yanmar 6HY and early Yanmar 6CX marine engines

The standout engine for Dick Cleall was a Yanmar 6CX, 420 hp model, which logged 48,000 hours. While still running strong, Dick removed it from his boat many years ago and sold it to another fisherman who used it to re-power his fishing boat.

“Apart from the 48,000 hours that we had with the 420hp Yanmar 6CX, I also had a Yanmar 6HY in a boat and logged 14,000 hours without any trouble whatsoever.”

“I haven’t got a bad thing to say about Yanmar marine diesel engines. We were the first to run a Yanmar in the fleet here at Kaikoura and now eight of the eleven commercial fishing boats here are Yanmar powered. That says a lot.”

Like many commercial fishermen, Dick Cleall does his own routine servicing. Oil changes are carried out every 250 hours, and although not specified, Dick makes a point of changing the filters at every oil change. He always uses genuine Yanmar lubricants and genuine filters.

Power Equipment is the exclusive and authorised Australian, New Zealand, Papua New Guinea and South Pacific Distributor of Yanmar Marine and Industrial diesel engines, JCB DieselMax, MASE diesel marine generators, Gori high quality folding sailboat propellers, PSS Shaft Seals and Northern Lights Gen Sets.

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**EDITOR’S NOTE**

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