

POWER PROFILE

Caterpillar Marine Power Systems



CUSTOMER

Andres Fanjul

LOCATION

Jupiter, Florida, USA

SEGMENT

Pleasure Craft

VESSEL TYPE

72-foot Sport Fishing Boat

POWER SOLUTION

2x Cat C32 ACERT™ Marine Propulsion Engines
1343 kW/1825 mhp at 2300 rpm

BOAT BUILDER

Tribute Performance Boats

CAT® DEALER

Pantropic Power



Cat® C32 ACERT™

THE ULTIMATE TRIBUTE

Twin Cat® C32 ACERT™ marine propulsion engines provide the ultimate in performance and economy for champion sport fisherman Andres Fanjul.

CHALLENGE

The MV Alican, a custom 72-foot sport fishing boat built for Andres Fanjul, owner of the U.S.-based food company Florida Crystals, is the perfect combination of luxury, economy, and exhilarating sport fishing performance. Built by Tribute Performance Boats' facility in Jupiter, Florida, over a period of 30 months, MV Alican is constructed with a cold molded epoxy hull with traditional wood decking and interiors, as well as the latest Kevlar, carbon fiber, and "foam glass" technology.

MV Alican features four staterooms, three heads and showers, a large salon, and a galley with a unique dinette that can convert to a large lounge or sleeping area. There are seven flat-screen TVs and state-of-the-art entertainment/navigation electronics. The cockpit has a custom Release Marine offset tuna chair and a large mezzanine with massive freezer, ice bin, drink box, and built-in storage. The bridge has two Release Marine helm chairs, glass and teak enclosed electronics, a Bausch American tower, and Rupp riggers.

SOLUTION

What the owner considers "ultimate sport fishing performance" is supplied by twin Cat® C32 ACERT™ marine diesel engines powering through twin ZF2070A marine gears. The 12-cylinder diesel engines are turbocharged and aftercooled 32.1 liter (1959 cu in) units that deliver 1343 kW (1825 mhp) at 2300 rpm each. In just a few years, the Cat C32 has become the engine of choice in its power and hull size range across the pleasure and performance craft markets.

MV Alican is fitted with a Cat multi-station control system with multiple engine information outputs in the engineer's station and the

skipper's cockpit, ensuring optimum monitoring and performance. Cat dealer Pantropic Power, supplier of the engines and engineering assistance to Tribute Performance Boats, also provided a dedicated engineer to work for the owner, ensuring that any maintenance work is carried out effectively at the owner's convenience.

SUCCESS

"We wanted a big comfortable boat," says Andres Fanjul, "but we got a whole lot more. It is very comfortable and extremely well appointed and finished, as we expect from Tribute, but the performance is stunning. We have a top speed of 42.6 knots at 2350 rpm, but it is at lower speeds where the combination of power train and hull design really comes into its own. At 1700 rpm (60% rated power), we have a comfortable cruising speed of 30.0 knots, but we're "in the power" at all times and acceleration comes instantly when required. And, we're only consuming 80 gph."

"This sort of performance usually means using 140 gph with other hull and engine combinations, along with added maintenance, piston wear, and other downsides that we simply do not have with the twin Cat C32 configuration. While this combination will certainly make us more competitive in sport fishing competitions, it's already delivering a great deal of pleasure and sheer fun."

Tribute Performance Boats' Rich Scheffer, Sr. comments, "We're proud of this boat. We think we have created a winning combination, and the fact that we most often build for existing customers suggests we are getting something right."

POWER PROFILE

MV Alican



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