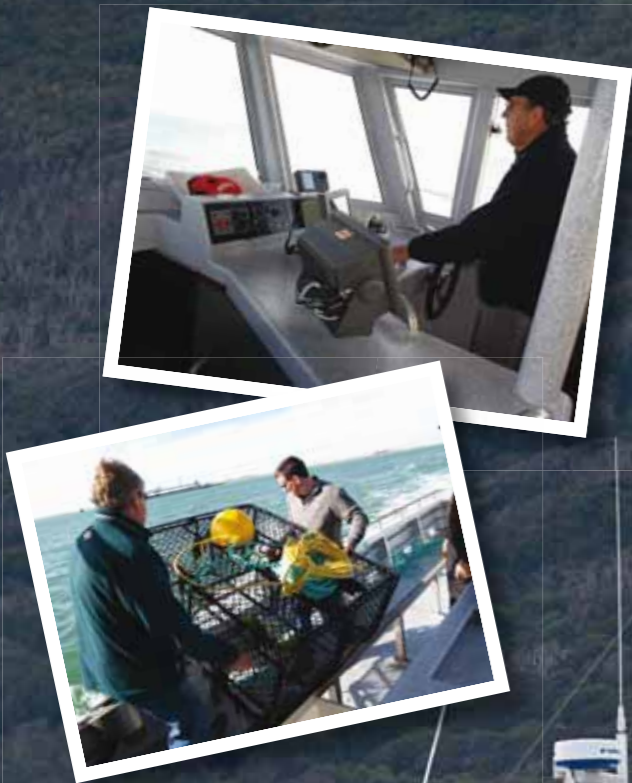


CRAYFISHER is fit for the fiords

BY KEITH INGRAM

David Excell's new vessel, the 15.85m crayfisher *Zayla-Jay*, was built to operate in the harsh economic environment that all inshore fishermen now face, with easy handling, low maintenance and fuel economy as priorities.



The Fiordland area they fish in for crayfish has seen highs and lows, but due to good local management there has been an increase in quota, and David currently holds around 30 tonnes, both owned and leased.

The *Zayla-Jay* is built of marine-grade aluminium to meet coastal fishing vessel requirements. She has 6mm plate on her bottom, 5mm on the sides and decks, and 4mm for the wheelhouse structure. Her inboard

bulwarks and transom have been left exposed. The handrails on the fo'c'sle deck are of aluminium pipe. Sundry mooring bollards are mounted at the bow, on the fo'c'sle quarter and aft. Scuppers were cut into the sides and in the transom.

To counter the effects of handling crayfish pots she has an added 6mm of post plating on the starboard side in the area susceptible to damage, and wear-doublers fitted to the chine and side areas where the pots strike.



Wide working deck space



Pot holder

The *Zayla-Jay's* L-shaped aluminium wheelhouse is situated forward.

Access from the main deck level is over a 180mm-high coaming through an alloy door with a glass-topped panel.

The floor has a synthetic waterproof covering, with non-skid paint around the helmstation. The ceiling is covered with removable washable panels and there is foam insulation in the roof. All the exposed aluminium has been painted using a textured paint system, and the side bulkheads below the windows is in textured, painted ply.

The helm, positioned to starboard, can be fitted with a truck-type sprung seat solid-mounted on a pedestal. In front of the helm is a compass binnacle plus the shelf for the engine start, engine controls, hydraulic wheel steering and engine gauges and the extensive electronics.

They include a Furuno Navnet V2 with a 36 mile, 4.4kW 24in radome radar, a GPS/chartplotter with Navionics Gold charts, and a network weatherfax and active antenna. The information is displayed on a 10.4in colour screen. The colour sounder is a Furuno FCV 1100 with a 2kW 200kHz transducer and a 1kW 50kHz transducer. This also has a 10.4in screen. The autopilot is a Furuno Nav Pilot 500 with a heading sensor.

Communications include an Icom ICM802 SSB radio with an automatic aerial tuner, and an Icom ICM302 marine VHF. She carries a 406MHz EPIRB for emergencies. Her crew will have several options for their entertainment, as there is a DVD player, an AM/FM radio with a 12-disc CD stacker, and four flush-mounted speakers.

The wheelhouse mast carries the navigation lights, a 1.8m VHF aerial, a 1.73 HF aerial, a 1.8m AM/FM aerial and the radar. A second steering position outside at the aft corner of the wheelhouse incorporates engine controls and electric toggle switch steering.

The wheelhouse windows are of toughened glass directly bonded to the alloy using the Sika flex system. There is a sliding window at the helmstation and over the sink unit on the after bulkhead of the wheelhouse. The wheelhouse incorporates seating to port, with contoured padding, and a Formica-covered table with wooden trim.

The alcove-style galley aft also has Formica bench tops, plus a stainless steel sink and a lever tap. The stove is a diesel unit from the Dickenson Pacific range, and ►

GOUGH BROS. LTD

ENGINEERING

Marine, Diesel & General Engineers
Aluminium & Steel Boat Builders



Designer and Builder of the new cray boat

ZAYLA-JAY

VIP.WB08

120 EYE STREET, INVERCARGILL
PHONE 03 214 4278



With Soundguard super-sound absorber insulation in your boat, you won't have to carry any extra sound proofing equipment!

Soundguard have a range of specialist products & expert advice to increase the comfort of your boat by reducing all forms of noise & vibration.

- Attractive finishes • Easy installation • Noise barriers
- Noise absorbers • Vibration dampening • Retro fitting

GET MAXIMUM INSULATION PROTECTION FROM VOLPOWER NZ

Ph: 09 274 4305 or 0800 865 769

Visit our website www.volvopenta.co.nz



VIP.S56



The *Zayla-Jay* is no slug

there is a small refrigerator.

A toilet at the back of the wheelhouse accessed through an alloy door has a shower, a toilet and a hand basin. The toilet has saltwater flushing and the basin has hot and cold fresh water.

The self-supporting wheelhouse veranda extends 1.85m from the aft bulkhead and has Hippiilon plastic underlining to give a smooth effect.

The *Zayla-Jay's* engine is a 60 Series MTU 141 displacing 14 litres and producing 600 continuous horsepower, with Gough Bros-type shaft seals and a solid gearbox coupling. Her gearbox is a Twin Disc MG 5114 2:1 reduction with a live drive power take-off. The Burling power-flow exhaust system is trunked down the side of the freezer and out through the transom. The stainless steel propeller shafts are SAF 2205 to suit the engine, while she turns a bronze Tiger propeller supplied by Henleys.

There are sight glasses on the fuel tanks, which hold about 4500 litres of fuel divided between two tanks in the engineroom and a single tank aft. The 1000 litre freshwater tank is situated in the after space with the steering gear, the refrigeration plant and the single reserve diesel fuel tank.

The *Zayla-Jay* has single-station, power-assisted hydraulic steering, with the single speed being wheel-

actuated. The galvanised steel rudder has a stainless steel shaft and an articulated rudder flap.

She has a 230 volt Lombardini single-phase generator, a 24 volt electrical system, main engine and lighting batteries, and provision for charging all the batteries off one alternator and for joining the battery banks together. There are bilge alarm float switches in four compartments.

Her drum-type hydraulic anchor winch was made by Gough Bros and is suitable for 13mm galvanised chain and rope warp. The vessel has one cathead which stows the anchor.

The water in her hot water cylinder is heated by a 230 volt electric supply, and hot and cold water can be piped to the shower, toilets and galley.

David and Bruce have installed a dual deck wash running off the ME bilge system or off a 230 volt electric pump mounted in the aft compartment. Both are piped to deck outlets. The bilge system complies with survey requirements. Bilge water discharges from the freezer via a 230 volt macerator pump mounted on the aft engineroom bulkhead and expelled overboard.

The freezer, situated aft of the engineroom, has thick 150mm foam insulation and is lined in Fibreglassed plywood. The floor has a smooth surface with a double thickness of Fibreglass.



The 600hp MTU engine

The thermal break around the 1m by 1m hatch also has a Fibreglass plug. Allowance has been made for the installation of plant and the hydraulic equipment to drive it.

The *Zayla-Jay* has accommodation on two levels, although when fishing only two people are normally be on board. The first level, accessed from the wheelhouse by an alloy stairway, has four single bunks with varnished wooden bunkboards. The ship's sides are lined with plywood with foam insulation, and the surfaces are finished with synthetic carpet and wood trim. The deck coverings are also of synthetic carpet, and the ceiling is of removable washable panels with foam insulation behind. A Weaver W50 opening Perspex skylight hatch helps ensure this area is light and bright.

The second level is accessed from the first by aluminium stairs. This area has double bunks to port and starboard with varnished bunk boards and is finished in the same way as the upper level, but there is no forced-air ventilation.

The *Zayla-Jay's* hull is painted below the waterline using the Altex Devoe paint system with antifouling. The hull is of acid-washed bare aluminium above the waterline, with a colour boot top and a black paint margin around the window line.

The *Zayla-Jay* achieved 18 knots during her sea trials, but she will have a normal cruising speed of 14 knots. Fuel consumption was 95 litres per hour at full speed, dropping to 60 litres per hour at cruising speed.

The *Zayla-Jay* is another successful vessel from the Gough Bros yard and will make a welcomed addition to New Zealand's rock lobster fishing fleet, as the fishing industry struggles to upgrade its ageing fleet.

specifications	Length overall	15.85m
	Beam	4.8m
	Engine	1 x MTU 60 Series
	Displacement	14 litres
	Power	600hp continuous
	Generator	1 x single-phase Lombardini 230 volt
	Fuel	4500 litres
	Fresh water	1000 litres
	Electronics	Furuno
	Builder	Gough Bros
	Owner	David Excell

MAC boats for life



row boats
runabouts
fun boats
fishing boats
sports boats
support boats
safety boats
MAC



0800 MACBOATS (62 22 62)
email: info@macboats.com
www.macboats.com

NYALIC A unique anticorrosive clear coat that lasts
Ph 0800 692 542
SPACECRAFT PROVEN PROTECTION
NZ/EUROPE • www.nyalic.co.nz
AUSTRALIA • www.nyalic.com.au
USA • www.nyalic.com
Nyalic® is a Registered Trademark of HBI Inc. TUFF PREP™, RIGHT RINSE™, BUILDING PREP™ and SIMPLE PREP™ are all trademarks of HBI Inc. © 2002 HBI Inc. www.nyalic.com