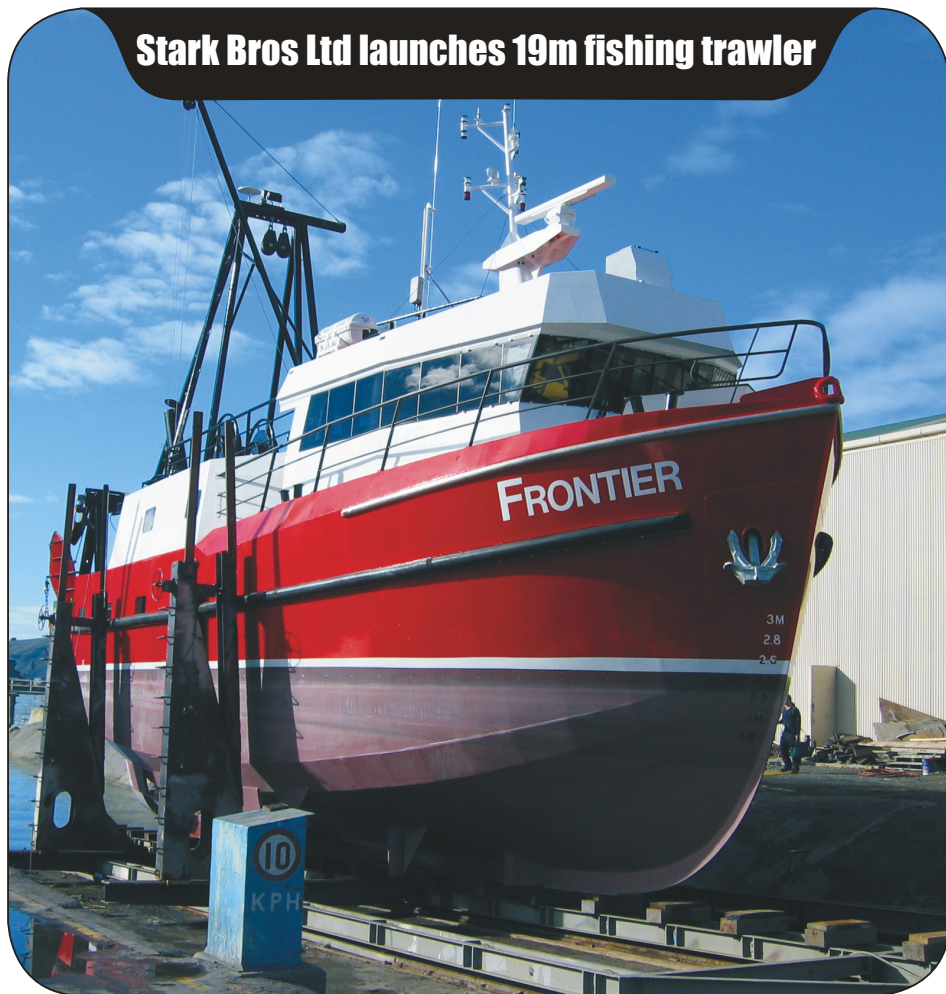


F.V. FRONTIER

Stark Bros Ltd launches 19m fishing trawler



STARK BROS LTD AND OCEAN FISHERIES LTD are proud to present this vessel for launching today, the 10th of August 2004.

This has been an exciting project, with the first steel being cut in November 2002, and steady progress being made throughout the 19 month build period, culminating in the finished vessel before you today.

It is believed that the FV Frontier will revolutionise the mindset for "small boat" fishing in New Zealand. It has been specifically designed to fish the varied conditions and fishing grounds particular to the East Coast South Island of New Zealand, ranging in depth from 10m to 1200m.

Economic operation within a wide range of fishing areas, from traditional inshore "market" fishing through to deepsea/offshore fisheries, means that it has the capabilities to handle high volume fish such as Squid, Hoki, and Red Cod in

season, while also maintaining the ability to operate with smaller quantities of traditionally higher value / market species such as Flat Fish, Gurnard, Tarakihi, etc.

The range and specifications of the equipment fitted to this vessel mean that it will be unlike any other small fishing vessel operating in New Zealand at this time, although Stark Bros Ltd seek to change this and are actively looking at the prospects of additional design and build contracts along similar lines to this vessel for pro-active medium and large fishing companies operating within the Inshore and Middle Depth Fisheries.

A Big Little Ship — This trawler incorporates features traditionally reserved for the large factory fishing trawlers, and this vessel will deliver quality and economy that can only lead to increased profitability.

We would welcome your inspection of the vessel at the wharf today, or indeed at any time in the future.

Specifications

Type of craft:	Trawler
In Survey to:	NZ Offshore Fishing Vessel
Home Port:	Lyttelton, New Zealand
Owner:	Randolph Fishing Ltd
Operator:	Ocean Fisheries Ltd
Designer / Builder:	Stark Bros Ltd.
Construction Material:	Steel
Length Overall:	19.15 m
Design Water Length:	18.444 m
Beam:	6.120 m
Draft:	3.100 m
Displacement:	146.00 Tonne
Free Running Speed:	10.4 knots
Main Engine:	Caterpillar 3412E 474kW (635 HP) @ 1500 rpm
Gearbox:	Hundested Marine Gear CPG-32 3.96:1
Propeller:	Hundested Variable Pitch 9½" Hub, 1.6m diameter, 4 blade propeller.
Steering:	Hydraulic with Stark Bros Steering Nozzle
Radar:	JRC JMA 5110 Black Box, 10kW, 72 mile
Compass:	Saura MR-150
Depth Sounder:	Simrad EQ60 - 38/200 Khz & combi wide 38 Khz transducers.
Sonar:	Wesmar HD800/110 - 8"
Radio SSB:	JRC JSB 196
Radio VHF:	Simrad RT62:F
Auto Pilot:	Simrad AP50.
GPS:	JRC JLR-10 GPS Compass with display
Chart Plotting:	MaxSea Pro v10, 2D & 3D with PBG
Trawl Instrumentation:	Simrad ITI
Watch Alarm:	Trident
EPIRB:	NAT S/Find GPIRB11 CAT 1
Mains Power Supply:	M/E Shaft driven Stamford 175kva 400v 3P 50Hz
Trawl Winches:	Stark Bros Hydraulic split winches, computer controlled, auto scrolling / wire counting, 13 tonne x 2500m x 16mm wire per winch
Cod End Winches:	1 x 9 tonne Pullmaster M18, 1 x 3 tonne Brevini EC 3045
Unloading Winch:	Titan Planetary TH 1 Hydraulic Winch
Net Rollers:	Stark Bros - 1 x Main, and 1 x spare net roller.
Fish Hold:	75 cubic metres capacity
Refrigeration:	North Star 5 SS, Salt Water Ice Maker 2.6t/24hr and Cold Wall Refrigeration Plates in Fish Hold.
Paint:	International Paints
Liferaft:	RFD Surviva 8 man SOLAS A pack
Fuel Capacity:	17,500 litres
Fresh Water Capacity:	3,500 litres
Lube Oil Capacity:	1,800 litres
Waste Water Capacity:	500 litres
Hydraulic Oil Capacity:	2,200 litres
Crew:	4
Date of Delivery:	August 2004