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VESSEL SPECIFICATIONS


Ship's name	Fairfield Endeavor
Owner	Fairfield Industries
Year re-built	2008
Year re-built	2001
Year re-built	1992
Year built / at	1977
Hull Number	624
Previous name	Elda Chouest
Type	Research Vessel
Official number	587417
IMO no.	7716866
Call sign	WDGE Station Identity 3668311990
Flag	United States
Port of registry	Houston, Texas USA
Master's name	Edwin Poindexter, Phillip Bosarge
Classification society	ABS
Class Assigned	A1, AMS
Class Number	7713854
Length overall /length between perpendiculars	62.3 meters
Breadth (molded)	12.2 meters
Draft (Max)	4.12 meters
Gross Tonnage (US regulatory)	291
Gross Tonnage (International)	1780
Net Tonnage (US regulatory)	198
Net Tonnage (International)	534
Speed Max, Calm sea state	7 kts
Speed Economy, Calm sea state	5 kts
Daily Consumption (Transit)	1200 gal / day
Daily Consumption (Working)	3000 gal / day
Transit Endurance	118 days
Operational Endurance	47 days
Last dry docking	10/2007

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Radio Comm. & Navigation Aids	
GMDSS	No
MF-HF Radio	N/A
VHF DCS	N/A
Inmarsat C	N/A
Data Terminal	N/A
Inmarsat Mini C	N/A
GMDSS Survival Radio	N/A
VHF (2)	Standard Horizon
Radar	
	Furuno FR 2010 Radar Type MU 201 CR (AIS and ARPA integrated)
Radar	Furuno RDP-150 Radar
Email (Master)	Endeavor_capt@fairfield.com
Email (Party Manager)	Endeavor_pm@fairfield.com
Phone Number V-sat (Master & Instrument Rm)	832-461-8061
Phone Number V-sat (Party manager)	832-461-8060
Autopilot	Robertson AP9-MK3 / STS-500 Simrad Robo Trac
Interface box	N/A
Speed Log	N/A
Sound Power Phone	4 Henschel DR78-551 Type 17 Sound Powered Phones
V-sat	Stratus Ku Band
Weather Fax	N/A
Echo Sounder	Furuno FCV-292 depth recorder
Navtex	Nav Tex Receiver JRC-NRC330
GPS	Furuno GPS GP 80
Automatic Identification System (AIS)	JRC JHS-182
PA System	N/A
Magnetic compass	Ritchie Magnetic Compass with compensating balls
Gyro Compass	SG Brown TS Meridian Surveyor Gyro
Single Side Radio	I Com – IC- M700 SSB Radio
Aircraft radios	N/A
Aircraft radios	N/A
Closed Circuit TV	Yes (5 cameras)
Cellular Phone	337-504-0806
Satellite Phone Iridium	N/A
Lifesaving and Firefighting Equipment	
Life Raft # 1	20 Man
Life Raft # 2	20 Man
Life Raft # 3	20 Man
Life Raft # 4	20 Man
Life Raft # 5	N/A
Life Raft # 6	N/A
Life Raft # 7	N/A
Life Raft #8	N/A
Life Raft Gun Deck Aft.	6 Man
Fire Zone Alarm System	Siemens System 3 (Smoke and Heat)
Rocket Parachute Distress Flares	Yes (12)
Line Throwing Appliance	(2) Speed Line 250 rockets
Fast Rescue lifeboat	Rigid Hull FRB. 36 HP Yanmar Diesel outboard engine.
Davit for FRC	Yes
Ring Buoys	4 (smoke & lights), 2 (lines only), 7 (lights only)
Pilot Ladder	N/A

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Jacobs Ladders	4 – 20 ft
Daylight Signaling Lamp	N/A
Ships Security Alarm System (SSAS)	N/A
Emergency escape breathing devices	Yes (33) firehoods, (4) ESCBA's
Epirb	(2) ACR SatFind-406 Model RLB-32
SARTS	(3) ACR PathFinder 3
Extinguishers	20# CO2 (16)
Extinguishers	10# Dry Chem (25)
Extinguishers	2.5# Dry Chem (1) In FRC
Extinguishers	5# Dry Chem (3)
Extinguishers	20# AFFF (3)
Extinguishers	N/A
Extinguishers	N/A
Extinguishers	N/A
Extinguishers	N/A
Extinguishers	N/A
Extinguishers	N/A
Extinguishers	N/A
Helideck foam system	N/A
Fire alarm system	Smoke and Heat detectors throughout vessel
Survival Suits	N/A
Lifejackets	(63) SOLAS
SCBA's	5 sets with bottles, 5 spare bottles
Fire Suites	5 complete sets w/ various spares
Fire Axes	4
Oil Spill Kits	2
Fixed Fire Fighting Systems	
Emergency Generator Room	N/A
Paint Locker	35# Fixed CO2
Galley	Wet Chem Hood System
Engine Room	Shared system with Compressor Room (10) 100# CO2
Compressor Room	Shared system with Engine Room (10) 100# CO2
Accommodation	
Total 27	
Crew accommodation	12
Seismic accommodation	15
Offices (One office can be given to Charterer)	1
Hospital Room	N/A
Mess room	Seats 7
TV Lounge	Seats 6
MACHINERY	
Main Engines	
NO.	2
TYPE	EMD 12-645-C, 800 RPM@ 1500 hp each
Starters	Air starters
CLUTCH/PPP	Eisenwerke Reinjes Comm. # 454-88 Type WGU-441
SAFETY DEVICES	Full Alarm System
CONTROL & MONITORING	International Marine
Propellers	(2) 3 Blade Fixed Pitch
Bow Thrusters	
NO.	1
TYPE	Fix pitch 300 HP, 8-71 Detroit, Twin Disk Clutch
SAFETY DEVICES	Full Alarm System
CONTROL & MONITORING	N/A
Main Generators	

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NO.	2
TYPE	Two (2) Caterpillar 3406B, 290 KW @ 1800
SAFETY DEVICES	Full Alarm System
Starters	Air Started
Emergency Generators	N/A
NO.	
TYPE	
Voltage	
KW	
SAFETY DEVICES	
Ships Air Compressors	
Number of units	2
Type	Quincy Model 350, 10 HP 1725 RPM
CAPACITY	2X150 gallon horizontally mounted cylindrical air tanks
SAFETY DEVICES	Pressure Pop off Valves
Deck air Compressors	N/A
CAPACITY	
SAFETY DEVICES	
Switchboard	
DISTRIBUTION	Point Eight Power
MAIN VOLTAGE	290 kw / 480 VAC / 3 phase
AUX. VOLTAGE	110 VAC 60 Hz / 3 phase
PARALLEL LOAD	580 kw /480 VAC / 3 phase
REVERSE POWER	N/A
Steering Gear	
Number of units	2
Make	(2) Sperry Cub Pump unit #1882204-3
Reservoir	(1) 13 gal reservoir per pump
Vessel Blackout	
COMMUNICATIONS	Sound Powered Phones
EMERG. LIGHTING	12 Volt powered Battle Lanterns
ALARMS	12/24 Volt General Alarm
Sludge Pump	
TYPE	Motor- WEG Motors LTDA. ID # B-2-12-1841
Pump- Viking model # HL 195	
GS Pumps (bilge/ball/fire)	
TYPE	Motor- Marathon model # FF284TSTDR7001CEWF 1
Pump- Peabody Barnes Model # 4030 HCU	
Emergency Fire Pump	
TYPE	Century 30 HP motor with Peabody Barnes Pump model number 4030HCU, unit number 95498
Fire Monitors	N/A
FiFi PUMP	
TYPE	
F.O. Transfer Pump	
TYPE	#1 Motor- Marathon model # FF284TSTDR7001CEWF 1
Pump- Peabody Barnes Model # 4030 HCU	
#2 Motor- Baldor, Cat. # 028498, AP 15, Frame 21516Z	
Pump- Peabody barnes Model # 2500E	
F.W. Transfer Pump	
TYPE	Motor- marathon model # XC182TTDR761BLN
Frame182TCZ	

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Pump- Peabody Barnes Model 35TCU	
F.O. Separator	
TYPE	Alfa Laval Model # MAB 104B -14
FLOW RATE	2m3 /hr
Oily Water Separator	
TYPE	Coffin World Water Systems HELI-SEP
CAPACITY	
Water Maker	
Number of Units	1
Type	Alfa Laval JWP-26-080 S/N 5363
Flow Rate	11.4m3 / day
Sewage Plant	
Type	Peabody Barnes Model 35TTU Macerator
Deck Crane	Coastal Hydraulic Crane model # CTB15245
Rated Capacity	4,000 lbs / 45ft radius
Working Load	5,000 lbs
Load Test	10,000 lbs
Trash Compactor	N/A
TYPE	
Volume	
Windless	
TYPE	HBL Industries ODW-1.25H
Chain	1.25" Long length high tensile
Length	10 shots port / 12 shots starboard
Anchor's	2
Capacities	
Fuel Type	#2 Diesel
Fuel	142,000 Gallons
Potable Water	64,688 Gallons
Ballast water	147,234 Gallons
Lube Oil	3,400 Engines / 3400 Generators
Refrigerator / Freezer	Total Line MMA070
Sewage Tank Capacity	2,300 Gallons
Seismic Equipment	
Seismic Compressor Systems	
Number of units	3
Drive engines	Caterpillar 398 main engines
Type of Compressors	Joy WBF-74-XHD Compressors
Cubic Feet Per Minute Per Unit	1300
Total (CFM) all three units	3900
Seismic Source	
Gun QC System	AG SSMS Power & Data Interface, SSMS Controller
Gun Positioning	Seamap
Source Controller	RTS Big Shot 72 channels
Active Strings	6
Standard array size	5,110 cubic inches per array
Gun umbilical reel	6 Odom
Bolt Air Guns	Bolt 1900 LLX
Bolt Air Gun Solenoids	
Gun Floatation system	Sausage 18" with ridded head float (Flexible Tubular Floatation)
Paravanes	2

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Seismic Navigation Systems	
Integrated Navigation System	Concept Systems Gator version 8.9.1 running on Linux workstations
Primary Navigation Input	GPS Trimble 4000 RS Receivers, w/ Starfix Differentials
Secondary Navigation Input	CSI Wireless Vector DGPS (upon client request)
P294 logging of raw GPS data	(2) Trimble 4000 DL GPS
Primary Gyro Input	SG Brown TS Meridian Gyro
Secondary Gyro Input	CSI Wireless Vector GPS Heading Sensor (upon client request)
Echosounder	ODOM CV2
WaterSpeed	N/A
Multi-Vessel Links	Freewave 900 MHZ Spread Spectrum Ethernet Radios (upon client request)
Quality Control	Concept Systems Quality Control Node (upon client request)
Real-time Binning	Concept Systems Real-Time Binning Node (upon client request)
Processing	Concept Systems Post Processing Node (upon client request)