


Document Control Number 111-All- General-278	Pursuit Vessel Specifications	
Revision 2011-03-07	Document Owner Position Party Manager	




VESSEL SPECIFICATIONS

Ship's name	Fairfield Pursuit
Owner	Fairfield Industries
Year built	1982
Year built / at	1996
Year built / at	2011
Hull Number	737
Previous name	Beulah Chouest
Type	Oceanographic research vessel
Official number	653208
IMO no.	8207678
Call sign	WDF6535
Flag	USA
Port of registry	Houston, Texas USA
Master's name	Robert Rhotenberry/ Phillip Bosarge
Classification society	ABS / SOLAS
Class assigned	A1/AMS
Class Number	8210859
Length overall /length between perpendiculars	194
Breadth (molded)	40 ft
Depth (molded)	14.5 ft.
Draft (Max)	12 ft 3 in
Gross Tonnage (US regulatory)	297
Gross Tonnage (International)	1701
Net Tonnage (US regulatory)	121
Net Tonnage (International)	510
Helideck rating	
Speed Max, Calm sea state	12.5
Speed Economy, Calm sea state	11
Daily Consumption (Transit)	3,200 gal.
Daily Consumption (Working)	4,500 gal.
Transit Endurance	
Operational Endurance	30 days
Last dry docking	Nov-10

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Radio Comm. & Navigation Aids	
Marine VHF (2)	JRC JHS-32A Marine VHF DSC class b
Sea VHF (1)	Sea 7156 Marine VHF
Inmarsat C	Furuno Felcom 15
Inmarsat MES	
Inmarsat MES	
Inmarsat MES (SSAS)	
Inmarsat MES (SSAS)	
Telex	JRC NDZ-127J
Telex Keyboard	JRC NDF-268
Telex Printer	JRC NKG-800
Inmarsat C Keyboard	INM-C
Inmarsat C Printer	PP510
AD Converter	Furuno AD-100
GMDSS Survival Radio (4) w/3 spare batteries	ACR 2726A
Hand Held UHF (2)	Motorola XV2100
Hand Held VHF(4)	Standard Horizon HE370S
Radar	Furuno FR2115
Radar	Furuno RDP150
Email (Master)	pursuit_capt@fairfieldnodal.com
Email (Party Manager)	pursuit_pm@fairfieldnodal.com
Phone Number V-sat (Crew)	(832) 461 - 8678
Phone Number V-sat (Party manager)	(832) 461 - 8677
Phone Number V-sat (Client)	(832) 461 - 8677
Autopilot (Robo-Nav)	STS-500
Autopilot	AP9 MK2
Rudder Angle Indicator	International marine systems
Interface box	
Speed Log	
Engine Telegraph	Ulstein
Sound Power Phone	Henschel corp
V-Sat	
Weather Fax	JRC NDZ-127J/ Inmarsat C
Echo Sounder	Furuno FCV-620
Navtex	JRC-300A
GPS	Garmin GPS128
GPS	Furuno GP90
Automatic Identification System (AIS)	Furuno FA-150
Intercom Phone	Toshiba 2010-S
PA System	
Magnetic compass	Cassnes and Plath 20423
Gyro Compass	Sperry SR 130
Gyro Compass	Digital Standard 20


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Single Side Band Radio	SEA 222
Single Side Band Radio Transceiver	
Single Side Band Radio Receiver	
Power Supply	
Aircraft Radio	
Hand Held Aircraft Radios (2) w/head sets	
Closed Circuit TV	
Cellular Phone	
Satellite Phone Iridium	
Cellular Phone (Broadpoint)	
Cellular Phone (PM Office Cell)	
Lifesaving and Firefighting Equipment	
Life Raft # 1	Viking 20man
Life Raft # 2	Viking 25man
Life Raft # 3	Revere 25man
Life Raft # 4	Viking 20man
Life Raft # 5	Viking 20man
Life Raft # 6	Revere 20man
Life Raft # 7	Revere 20man
Life Raft # 8	Revere 20man
Life Raft # 9 - Life Raft Gun Deck Aft	Elliot 6man
Fire Alarm System	Cerberus Pyrotronics CP-35
Distress Flares-Bridge	12 rocket parachute flares
Ditch Bag-Bridge	flares(12), emergency VHF radio battery(5), SART, Orange smoke(3)
Line Throwing Appliance (2)	Speedline 250
Fast Rescue Boat and Davit	Zodiac (Norsafe) (1), Release gear-H. henricksen, Davit-Vest Davit
Ring Buoys (8)	plain(1), w/100 ft line(1), w/light (2), w/smoke & light(2), w/100ft line & light (2)
Jacobs Ladders (4)	Adonic II
Daylight Signalling Lamp (1)	Aldis lamp 12v portable in bridge
Emergency Escape Breathing Devices (6)	Ocenco M-20.2
EPIRB (1)	ACR 406
SART (2) Bridge SART (1) FRB (1) Ditch bag	ACR Pathfinder 3
Extinguishers	10# dry chemical (31)
Extinguishers	2.5# dry chemical(1)
Extinguishers	10# Co2 (1)
Extinguishers	20# Co2 (2)
Extinguishers	125# portable Co2(1)
Extinguishers	Spare (5)
Extinguisher	FRC (1)
Helideck Foam System (2) @ 60 Gallon Capacity	Fitted port and starboard side

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Fire Stations (10)	2 1/2in(3), 1 1/2 w/ siamese connection (7)
Lifejackets	Type 1 PFD(81) In state rooms, bridge, gun deck, engine room, and float free box at muster
SCBA's	Complete sets (6), with spare bottles
Fire Suites	Complete sets (6)
Fire Axes	(5) on location and (5) spare
Oil Spill Kits	Gun deck fwd, helo deck
Emergency Generator Room	Fixed Co2
Paint Locker	Fixed Co2
Galley	Fixed Wet Chemical system
Engine Room	Fixed Co2
Compressor Room	Fixed Co2


Accommodation

Total	37
Crew accommodation	17
Seismic accommodation	20
Offices (One office can be given to Charterer)	10
Hospital Room	1
Mess room	18
TV Lounge	8


MACHINERY

Main Engines	
No:	2
Type	EMD 16,645 E7b/6400
Serial Numbers	78MI1083 / 84G31502
BHP	6400
Starters	TDI Air start 52 R
Gear/Clutch	Reintjes Reduction 2.9
Safety Devices	Electronic and Pneumatic System Panel
Control & Monitoring	Point Eight
Propellers (2)	
Bow Thrusters	
No:	1
Type	G.M. 871
Serial Number	
BHP	400
Propeller	55 in. 35/3 stay/fixed pitch S743
Safety Devices	Alarm pannel Point Eight
Control & Monitoring	
Main Generators	
No:	2

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Type	CAT 3406
Serial Numbers	P-2WB16856 S-2WB16855
Voltage	480
KW	300
Safety Devices	Alarm pannel Point Eight
Starters	1-Electric 1- Air
Emergency Generators	
No:	1
Type	CAT
Serial Number	75200972
Voltage	480
KW	305
Safety Devices	Alarm pannel Point Eight
Ships Air Compressors	
Number of units	3
Type	Quincy
Capacity	340 cfm
Safety Devices	Relief valves set at 175
Switchboard	
Distribution	
Main Voltage	480
Aux. Voltage	208/110
Parallel Load	yes
Reverse Power	
Type	
Steering Gear	
Number of units	2
Make	Air Pro 9605-010-HYIU
Reservoir	MPI-3175-26-1.75
Vessel Blackout	
Communications	GMDSS
Emerg. Lighting	208 Volts Powered by Aux. Generator
Alarms	12/24 Volt General Alarm
Sludge Pump	
Type	Viking HL 195
GS Pumps (bilge/ball/fire)	
Type	Aurora BF 344A 215X217
Type	Aurora BF 344A 93-10415-3
Emergency Fire Pump	
Type	Aurora 96-00976 Type BF 2x2.5x9

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F.O. Transfer Pump	
Type	Aurora 82-8875-8 3x4x9
F.W. Transfer Pump	
Type	P56CHM-0181 Jacuzzi
F.O. Separator	
Type	Alfa Delaval
Type	MPI-3175-26-1.75
Capacity	8047 GPD
Oily Water Separator	
Type	Coffin World Heli-Sep
Capacity	44 GPM
Sewage Plant	
Type	ORCA 2 MSD
Capacity	66 GPM 86406 PD
Water Maker	
Number of Units	1
Type	AFLA LAVAL
Capacity	5402 6PD
Type	JWP-26-C80/100
Capacity	
Deck Crane	
Rated Capacity	5T SWL @ 14.5 METERS
Load Test	12/31/2010
Trash Compactor	
Type	MAXZDEX
Volume	20 Cubic Ft
Windless	
Type	HBL
Chain	
Length	10 shots each side
Anchor's (2)	
Capacities	
Fuel Type	Diesel
Fuel	133,302 Gal
Potable Water	50,000 gal
Ballast water	65,000 gal
Lube Oil	2,600 gal
Hydraulic Fluid	1,459 gal
Gardina 30 Oil	560 gal

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DSL 100	1,386
Sewage Tank Capacity	7,252 gal
Seismic Equipment	
Seismic Compressor Systems	
Number of units	3
Drive engines	DI - 3516 Caterpillar
Type of Compressors	Joy 1600 -5 stage compressors
Cubic Feet Per Minute Per Unit	1600
Total (CFM) both units	4800
Seismic Source	
Gun QC System	SSMS-Depth, pressure and near field phone at each gun saddle
Gun Positioning	Furgro Seatrack 320 RGPS gun pods
Gun Positioning	MDL fanbeam Mark4 Laser available upon client request
Source Controller	Real time systems - big shot/ capacity:72
Active Strings	6 - 3 port and 3 stbd
Standard array size	5110 cubic inches
Gun umbilical reel	8- Odim, each reel capacity in 300 meters 74 mm dia umbilical
Bolt Air Guns	64 x 1900 LLX
Bolt Air Gun Solenoids	Make and Model: Bolt SV 1200-511
Gun Floatation system	Sausage 18" with rided head float (flexible tubular floatation)
Paravanes	3 units, 2 in service- Baro #12
Seismic Navigation Systems	
Integrated Navigation System	Gator, Concept Systems
Primary Navigation Input	Fugro, MRDGPS
Secondary Navigation Input	C-Nav
Third Navigation Input	VECTOR
P294 logging of raw GPS data	Gator, Concept Systems
Primary Gyro Input	Meridian Surveyor, SG Brown
Secondary Gyro Input	Vector GPS Gyro
Echo sounder	Odom CV-200
Water Speed	Furno - Doppler Speed Logger
Gun Positioning	Seamap - RDGPS
Quality Control	METIS
Real-time Binning	
Processing	