



COTEJADO

Maritime Specifications / Particulars

Main Particulars

Ships Name	Amazon Warrior
Call Sign	3FNE9
International Maritime Org. (IMO) No.	9662394
Owner	GecoShip AS
Previous Name	n/a
Flag State & Port of Registry	Panama
Panama Official No. (if applicable)	44061-PEXT
Date of Build	01 April 2014
Yard No. and Type of Vessel	760 Seismic Research
Yard Built	2013
Date Converted / Upgraded	n/a
Yard Converted / Upgraded	n/a
Classification Society and Class Notations	DNV - + 1A1, PC-7, WINTERIZED BASIC, BIS, TMON, CLEAN-DESIGN, E0, HELDK, NAUT-OSV(A), RPS, COMF-V(2)C(3), SF, SPS
Class Id No.	D31725
Classification Machinery System	DnV
Class Approved Maintenance System	SpecTec AS, AMOS Business Suite v9.X (PMS)
International Safety Management (ISM) Code Compliance	Yes
Safe Manning Certificate (Minimum)	14

Principal Particulars

Gross Tonnage - International	21195 GT
Gross Tonnage - Suez Canal	23012
Gross Tonnage - Panama Canal	21195
Net Tonnage - International	6359
Net Tonnage - Suez Canal	18240
Net Tonnage - Panama Canal	6359
Lightship Displacement	10597t



RFC: CIN050623NW1 RPMN:2656-5557
 Ave. Insurgentes Sur No. 1863, Piso 8
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 C.P. 01020, Mexico, D.F.



Dead Weight	6203t
Length Over All (LOA)	126.00m
Length Between Perpendiculars	119.58m
Breadth (Moulded)	28.00m
Breadth (Extreme)	32.00m
Depth (Moulded)	9.50m (to maindeck)
Draft (Max)	7.60m (scantling)
Draft (Mean)	7.30m (design)
Air Draft (to highest antenna)	Tba
Helicopter Deck Rating	12.6T
Helicopter Deck Diameter (D-Value)	D26.1
Helicopter Deck Markings Standard	CAP437

Additional Notes:

Capacities and Endurances

Pulling Capacity, 5 knots	160t @ 14MW
Fresh Water Capacity	276t
Fresh Water Maker Production	50m3/day (2 x 25m3)
Engine room HP Air Compressors	3x 78m3/min (2768 cfm) @ 2000 psi
Potable Water System	FW. Distiller (Evaporator)
Fuel Capacity, All Tanks Topped	3941t
Fuel, Useful for 100 % Consumption	3941t
Fuel Type	MGO
Fuel Tank Heating	Daytanks
Lub. Oil, Engine Oil (m³)	2 x 15.7m3
Cylinder Oil, HP Compressors (m³)	Rarus 827 1m3, Excel 46 1m3
Cable Oil, Kerosene (Clean/Separated/Dirty)	n/a
Ballast, Sea Water (m³)	4543m3
Speed, Transit, Max, in calm sea	16.7kn
Speed, Transit, Economy, in calm sea	14.0kn
Consumption of Fuel, Full Speed	65.5 mt/day
Consumption of Fuel, Economy Speed	40.4 mt/day
Operational Consumption / Endurance	10x6x100m – 33.8 mt/day @ 5 knots
Endurance of Fuel, during survey	120 days
Consumption of Fuel in Port	4mt/day
Safety Equipment Certificate	76 pers max

Additional Notes:

Flume Water (stability tanks) 690m3

Bridge Navigation Equipment

Radar No 1	S-Band, Sperry Visionmast FT w/2 scanners (30kW/12ft)
Radar No 2	X-Band, Sperry Visionmast FT w/2scanners (10kW/6ft)
Radar No 3	Rutter Sigma S6 Ice Radar
VDR / S-VDR	Netwave NW 4000
ECDIS	1 x VMS Visionmaster FT/1 x Maris ECDIS
Gyro Compass	3 x Sperry Marine Navigat X Mk1 Mod 10
Auto Pilot	Naviplot 4000
GPS Receiver	Transas Glonas receiver T-701
Speed Log	Naviknot 350E NF
Echo Sounder	Furuno FE-700
Motion Monitor	Seatex HMS 100

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CANEGA



INTERNACIONAL S.A. DE C.V.

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Navtex Receiver
UPS, Power Supply to all GMDSS equipment

Navtex Smartfinder
Yes

Additional Notes:

Communication Equipment, Compliant With GMDSS Requirements

Radio Station License No.
Class / Corr. Category
Ship / Air Craft Radio, fixed
Ship / Air Craft Radio, portable
Helicopter Beacon
Automatic Identification System (AIS)
Transmitter / Receiver, Main (MF)
Transmitter / Receiver, Main (VHF/ DSC)
Radio, VHF, GMDSS, Type 1
Radio, VHF, GMDSS, Type 2
Radio, VHF, GMDSS, Type 3
Radio, VHF, GMDSS, Portable / Hand Held
Radio, VHF, Portable
Radio, UHF, Fixed
Radio, UHF, Portable
Booster Unit for Portable Radio (UHF)
Emergency Radio Beacon (EPIRB)
Radar Transponder
Long Range Identification Tracking (LRIT)
Radio Direction Finder
Weather Facsimile / Weather Station
Ship Security Alert System (SSAS)
Voyage Data Recorder (VDR/S-VDR)

Tba
GMDSS Sea - Area A4
Jotron TR810
5 x IC-A15S
JTM 30 C, Jacotron Marine AS
Saab R4
Sailor 6301
Sailor 6363, 250W

Sailor 6222
Sailor 6222
Sailor 6222
3 x Sailor SP3520
4 x Atex SP3530
6 x Atex CM340
6 x Atex GP340
n/a
2 x Cospas-Sarsat Smartfinder E5
2 x SART S4
Blue Tracker LRIT Artic
Tba
Furuno FAX-30
Blue Tracker SSAS Artic
Netwave NW 4000

Additional Notes:

Satellite Communications

MMSI Number:
Accounting Authority Code (AAIC)
Inmarsat Type A
Inmarsat Type B
Inmarsat Type C
SAT C ISN number
Inmarsat Fleet 77
Fleet 77 ISN number
V-Sat
Max. Bandwidth on V-Sat
Telefax Machine
Internal E-Mail & PC Network

E-Mail Address To Vessel

372757000
Tba
n/a
n/a
TT 3027C
Tba
TT 3052C
Tba
Yes, numbers Tba
512-768 kbit/s
Laserfax L160
Yes
captain@warrior.westerngeco.slb.com
pc@warrior.westerngeco.slb.com

Additional Notes:

Portable Iridium telephone

Iridium 9555

Safety Equipment Crew

Lifeboat Type / Capacity/ No. of Boats
Engine, Lifeboat
Life Raft Type /Capacity

Hatecke GSL6.6C/52 pers./2
BUKH DV 29RME, 29hp
Viking/25 pers.

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Anti Rolling Damping System
 Heeling Tanks, Volume and Fuel / FW / SW
 Bunker Connections, Locations
 Bunker Connections, Type
 Bunker Hose Length and Dimension (Loose)
 Crew Accommodation, No of Bunks
 Single Berth Cabins
 Double Berth Cabins
 Client Cabins, Single Berth
 Business Conference and Training Room
 Training Room with Computers / Network
 Sauna and Fitness Room
 Additional Notes:
 Client Dayroom

2 x Flume tanks
 Part of ballast water system/SW
 Main deck SB, frame #78
 4" Todo-Matic drybreak coupling
 30m, 4" Bunker Flat Rated for 10Bar
 76
 76
 n/a
 4
 Yes
 Yes
 Yes
 Yes

International Oil Pollution Prevention (IOPP) Equipment

Incinerator, Sludge and Waste Oil
 Bilge / Oily Water Separator
 Oily Water / Sludge Holding Tanks Cap.
 Oil Spill Absorbent / Damage Control
 Sewage Treatment Plant
 Additional Notes:

Teamtec OG400C, version CS, edition TG5
 RWO, type SKIT/S-DEB, 2.5m2/h
 80m3
 Tba
 Hamann AG, type HL-Cont Plus 10

Machinery Equipment

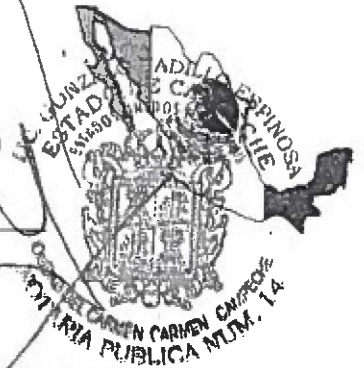
Air Source, HP Compressors
 Air Capacity, Each and Total (CFM)
 HP Compressor Drive Motors
 Main Engine or Electric Prop. Motors
 Auxiliary Engines (Generator Drive)
 Redundancy Propulsion, Az-Thruster
 Vessels Total Brake hp / kW for Prop.
 Main Engines, Power Supply
 Propeller Type, Main Propulsion
 Propeller and Thruster Control
 Propeller Blade, Spare
 Generators / Alternators
 El. Power, Useful, Out from M. S. Board
 UPS Power To Instrument Room
 Power Supply Instrument Room Back-Up
 Emergency & Harbour Gen. Engine
 Emergency & Harbour Generator
 Fuel Back-Up System for Aux. Engines
 Cooling System for Aux. Engines
 Bow Thruster
 Stern Thruster
 Fresh Water Generator (FWG)
 Boiler, Exhaust Gas & Oil Fired
 Steering Gear

3x LMF 78m3/h (oil free)
 3x 78m3/min (2768 cfm) @ 2000 psi
 Electric 1.4MW, frequency controlled
 2 x Wartsila W9L32 each 4500kW, 2 x PTI each
 2500kw/690V
 2 x Wartsila W7L32 each 3360kW, 2 x Wartsila W6L20
 each 1110kW
 1 x Wartsila (Lips) FS1510/MNR, 2400kW
 14000kW incl. PTI's
 2 x Wartsila CPP in HR nozzle, diam. 4500mm each
 Wartsila control system
 None
 Alconca 2x3360, 2x1110
 7940kW
 1 x JovyAtlas 350kVA, 1 x JovyAtlas 140 kVa. 15 min
 battery back-up each
 1 x JovyAtlas 350kVA, 1 x JovyAtlas 140 kVa. 15 min
 battery back-up each
 MAN D2842 LE 201, 596kW
 Leroy Somer LSAM 49.1 M75, 544kW/680kVa
 RPS Two Engine Rooms
 Port and Stb HT/LT system (RPS)
 1 x Wartsila (Lips) FT200M-D, 1000kW
 n/a
 2 x Alfa Laval Aqua 100, cap. 25m3/h each
 Alfa Laval/Aalborg V4-OTFO-017, 1600kW
 2 x Rolls Royce type SV850-3 FCP with spade-type high-lift

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Onboard Seismic QC

System

Software

Hardware

Additional Notes

Onboard Seismic Processing

System

Software

Hardware

Additional Notes

TRIAcq TQC 3.3

Omega2 Seismic Processing System v2013.1 P

CentOS Operating System

4 x Sun Oracle X4 2L 5, QC7, QC8, QC9,

2X Sun Oracle T5220 sdb server, acdio

1 x Sun Oracle T5120 TRIDS

2 x Dell Precision T7610(Omega User waqc1, waqc2)

1X Fujitsu Externus DX 410S2 58Tb Capacity

WG-OBP Omega

(Hitachi NAS & IBM Blade Center Cluster)

Omega2 Seismic Processing System v2013.1 P

CentOS Operating System

346Tb Hitachi NAS (Network Area Storage)

152 Dell Clusters (16 x Blade Centers)

4 x Dell Precision T7610

8 x IBM Servers (System 3650/3550)

8 x IBM 3592 Jaguar Drives Microcode D0IF_29C

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Single & Multi-Trace Plotter
(Manufacturer & Type)

None

Auxiliary Systems

Tension Monitor

Recording System Format

Pulsar Quantum PC; STM v6.1

Recording System Media

24 Bit SEG-D(8036), demultiplexed data

Recording System Device

3592 300/500GB

Additional Notes

Recording: 16 x IBM 3592E tape decks

Navigation Systems

Instrument Room Gyrocompass

3 x Sperry Marine Navigat X MK1 Mod 10 (bridge units)

(Manufacturer & Type)

Source Positioning System

Kongsberg Seatex A/S, Seatrack 330

(Manufacturer & Type)

Global Positioning System (GPS) Receivers

2 x Novatel OEM-6-GPS receivers - TRINAV

(Manufacturer & Type)

1 x Fugro StarPack, 1 x Fugro Multifix

3 x Subsea7 Veripos ULTRA APEX DF-DGPS systems & RTCM

DGPS QC System (Manufacturer & Type)

WesternGeco, TRINAV GPS 6.0

Integrated Navigation System

WesternGeco, TRINAV 6.0

(Manufacturer & Type)

3-D Quality Control System

WesternGeco, Trinav QC

(Manufacturer & Type)

Tail Buoy (Manufacturer & Type)

WesternGeco, TB98 MPF

Tail Buoy Positioning (Manufacturer & Type)

Kongsberg Seatex A/S, Seatrack 220

Onboard Tail Buoy Positioning

Kongsberg Seatex A/S, Seatrack 220

(Manufacturer & Type)

Ultra-Short Baseline (USBL) Acoustic

None

Positioning System (Manufacturer & Type)

IRMA – Streamer integrated acoustic system

Acoustic Positioning System

(Manufacturer & Type)

Current Profiler

(Manufacturer, Type & Frequency)

2 x NORTEK AWAC 1000 kHz VMADCP Transducer & controllers

Temperature/Salinity Dip Profiler

Sippican XV-02, Valeport 604 CTD

(Manufacturer & Type)

Echo Sounder (Manufacturer & Type)

Kongsberg SIMRAD, EA-600

Transducer Frequency & Theoretical Range

1 x 18 kHz to 5000m

1 x 38 kHz to 2500m

1 x 200 kHz to 800m

Transducer Draft

7.7 mtr

Recording System Format (Nav)

OGP P1/90, P2/94

Recording System Media (Nav)

IBM 3592 tape

Recording System Device (Nav)

Dual IBM 3592 drives

3 x SUN Oracle M5000 servers / workstations

3 x SUN OracleT4-2 servers / workstations

MARIS ECDIS slave installation – Win7 PC

2 x combined Symmetricom Xli ITR / NTP

Additional Notes

(Integrated Timing receiver / Network Time Protocol)

2 x TrueTime ITR (Integrated Timing Receiver) – 9

Channel GPS

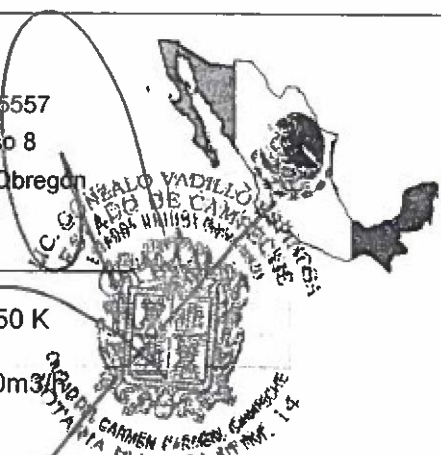
6 x VCU Tailbuoy tracking radios (458-459 MHz)

2 x v245 server – BIRDY Steerable Qfin controller(s)

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Additional Notes:

Ballast Water Treatment Plant

Seismic Specifications

Main Particulars

- Streamers
- Tow Points
- Sub Arrays

Energy Systems

- Gun Controller Hardware (Model & Manufacturer)
- Gun Controller Software (Type & Version)

Guns (Manufacturer, Type & Capacities)

- Gun Cable Type
- Diameter of Air Hose
- Gun cable length
- Nominal Source Pressure
- Pressure Release
- Sensor Return
- Timing Resolution

Source

- Total Compressor Capacity
- Compressors (Manufacturer & Capacity)

Near Field Phone (Manufacturer & Type)

Far Field Phone (Manufacturer & Type)

- Depth Indicators
- Additional Notes

Streamer & Recording Systems

- Streamer (Manufacturer & Type)
- Streamer Deflector Type
- Section Breaking Strength (Typical)
- Typical Towed-Streamer Stress

Streamer Capacity (Max onboard)

Streamer Control Device (Manufacturer & Type)

Recording System Hardware (Model & Manufacturer)

Recording System Software (Type & Version)

HERACLES rudder HRC-C 2950/650 K

Alfa Laval PureBallast 2.0, cap. 250m3

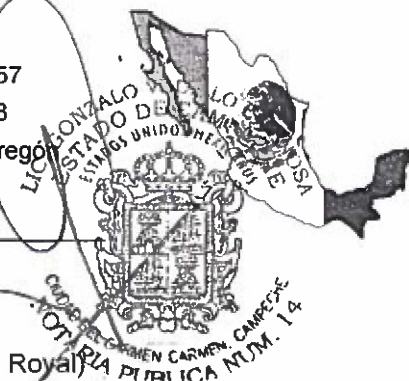
- 18 (16 streamer winches, 2 lead-in winches)
- 10x 45t, 8x 35t
- 10x 1200m capacity (6 arrays built up)

- 2 x Sun Fire V220 (1 spare)
- 1 x TCU (Timing Card Unit)
- Trisor 1.6 Update 11, PDN, Norway
- Bolt, Long-Life (LL) Airgun, 1500LL and 1900LL-X, 30 to 290 cu. in.
- JRC
- 1 1/4 inch
- 1200
- 2000 psi
- Solenoid
- Piezoelectric – Ceramic Crystal Transducer
- 0.1 ms
- Combinations of 1049 in3 = 2 x 3147 in3 or 1695 in3 = 2 x 5085 in3
- 3x 78m3/min (2768 cfm) @ 2000 psi
- 3x LMF 78m3/min
- Fjord Instruments, HD1-TC (Typically one NFH per ultrabox)
- n/a
- WesternGeco (Typically one indicator per ultrabox)

- Q Marine Solid
- 6x Mk 2 Monowing, 2x Mk 4 Monowing
- 90 kN
- 1800 – 3000 kg
- 16x12km on main winch, 2 x 4km on lead-in winches, 16x4km overhead storage
- Primary : Q-Fin (steerable)

- WesternGeco QMarine:
- 1 x Sun Sparc Enterprise M5000 (RC)
- 1 x Sunfire V445 (ACQCON)
- 1 x VME Streamer Synchronization Unit (SSU)
- 4 x VME Auxiliary and Power Unit (APU)
- 4 x IBM X3550 M4 (LACONA Nodes)
- 1 x IBM X3550 M4 (WWW)
- 1 x TCU (Timing Card Unit)
- 1 x ATM Switch
- 1 x V245 (SMU)
- TRIACQ RC SunOS 5.10 Release TA543A build 293

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Number of Life Rafts	2
Man Over Board Raft Type /Capacity (MOB)	Viking/6 pers.
Life Jackets No.	154 adults + 3 child (Regatta Kon-Tiki Royal)
Survival Suits, Thermo Insulated	78 Wilhelmsen V40 - 185
Working Suits, Thermo Insulated	
Man Overboard Boat (FRB) Type	MP 741 Springer
Engine and Speed of Boat (FRB)	Yanmar 6LYA-STE, 6 cyl., 340 hp at 3.300 rpm, 33-35 knots
Waterjet and Gear Drive (FRB)	Hamilton 274
FRB Davit	Vestdavit TDB-3603
Work Boat No.1	Westplast WP 950
Engine Work Boat no.1 and Speed of Boat	Yanmar 6LPA-STC, 290 hp each. 26 knots (fully rigged)
WB No.1 propulsion type	NAMJet 381 HH, gearbox ZF220 ratio 3:1
WB No. 1 Davit	Vestdavit TDB-12001
Work Boat No.2	Westplast WP 950
Engine Work Boat no.2 and Speed of Boat	Yanmar 6LPA-STC, 290 hp each. 26 knots (fully rigged)
WB No. 2 propulsion type	NAMJet 381 HH, gearbox ZF220 ratio 3:1
WB No. 2 Davit	Vestdavit TDB-12001

Additional Notes:

Fixed Fire Extinguisher System

Engine Room / Compressor Room	Marioff Hi-Fog Watermist System
Emergency Generator Room / Separator Room	Marioff Hi-Fog Watermist System
Incinerator Room	Marioff Hi-Fog Watermist System
Galley Ducting	Marioff Hi-Fog Watermist System
Tape Store	n/a
Cable Store	1% AFFF (storage reels)
Streamer Winch Room	1% AFFF
Helicopter Deck	Foam, DIFFS (deck integrated firefighting system)
Paint Store	Marioff Hi-Fog Watermist System
Chemical Store	Marioff Hi-Fog Watermist System
Central Store	n/a
Main Foam Pump, AFFF Foam Mixture	SKG.4.05, 3x690V AC / 60 Hz, 3m3/h at 12 bar
Main Fire Pump	Allweiler, 80m2/h at 8.8 bar
Emergency Fire Pump	Allweiler, 80m3/h at 8.8 bar
Fire Detection Monitoring System	Concilium

Additional Notes:

Hull Outfitting

Anchor	2 x HHP anchor, D'Hone type with ball joint swivel
Windlass	El. driven combined windlass/mooring winch
Mooring Winches	n/a
Capstan no.1	Hatlapa 120Kn nom. pull
Capstan no.2	Hatlapa 120Kn nom. pull
Capstan no.3	Hatlapa 120Kn nom. pull
Capstan no.4	Hatlapa 120Kn nom. pull
Decks Crane 1, Capacity / Reach / Location	TTS, SWL 10t@19mtr/6t@21.5mtr/Crane deck port side
Decks Crane 2, Capacity / Reach / Location	TTS, SWL 10t@19mtr/Crane deck stb side(Offshore crane
Decks Crane 3, Capacity / Reach / Location	TTS, SWL 7t@18mtr/Raised crane deck aft
Decks Crane 4, Capacity / Reach / Location	n/a

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