

Maritime Specifications / Particulars

Main Particulars

Ships Name	WG Tasman
Call Sign	5BPB2
International Maritime Org. (IMO) No.	9488542
Owner	Eastern Echo Holding Ltd / WesternGeco
Previous Name	New Build
Flag State & Port of Registry	Cyprus
Panama Official No. (if applicable)	9488542 (Cyprus official no.)
Date of Build	2010
Yard No. and Type of Vessel	New Building 64 , SX 124
Yard Built	Drydocks World Dubai
Date Converted / Upgraded	New Build
Yard Converted / Upgraded	New Build
Classification Society and Class Notations	DNV 1A1, Clean COMF (V-3), DYNPOS(AUTR), E0 HELDK Ice (C) NAUT (AW) SF
Class Id No.	28858
Classification Machinery System	DNV, PMS
Class Approved Maintenance System	AMOS
International Safety Management (ISM) Code Compliance	DOC 13 Apr 2016
Safe Manning Certificate (Minimum)	11

Principal Particulars

Gross Tonnage - International	6599
Gross Tonnage - Suez Canal	7747
Gross Tonnage - Panama Canal	7747
Net Tonnage - International	1980
Net Tonnage - Suez Canal	6157
Net Tonnage - Panama Canal	TBA
Lightship Displacement	4003
Dead Weight	3522 T
Length Over All (LOA)	89,8 M
Length Between Perpendiculars	82,0 M
Breadth (Moulded)	19,0 M
Breadth (Extreme)	21,0 M (Helideck)
Depth (Moulded)	7,3 M

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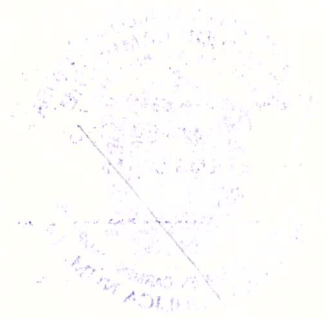
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Draft (Max)	6,6 M
Draft (Mean)	6,0 M
Air Draft (to highest antenna)	Approx 28,5 M
Helicopter Deck Rating	12.8 T
Helicopter Deck Diameter (D-Value)	21 MTR
Helicopter Deck Markings Standard	HCA: CAP 437 SOLAS and DNV regulations
Capacities and Endurances	
Pulling Capacity, 5 knots	72 TON
Fresh Water Capacity	1043 MT
Fresh Water Maker Production	Approximate 40 m3 / day
Engine room HP Air Compressors	3 x LMF
Potable Water System	FRESH WATER EVAPORATOR, 2 X JWP 26 – 80 K
Fuel Capacity, All Tanks Topped	1513,8 M3
Fuel, Useful for 100 % Consumption	1361 M3
Fuel Type	Marine Gas Oil
Fuel Tank Heating	N/A
Lub. Oil, Engine Oil (m³)	90.0 M3
Cylinder Oil, HP Compressors (m³)	10.5 M3
Cable Oil, Kerosene (Clean/Separated/Dirty)	4.6 / 4.6 / 3.4 M3
Ballast, Sea Water (m³)	1927 MT
Speed, Transit, Max, in calm sea	App. 14.5 Knots
Speed, Transit, Economy, in calm sea	App. 12,0 Knots
Consumption of Fuel, Full Speed	36 m3 / day
Consumption of Fuel, Economy Speed	30 m3 / day
Operational Consumption / Endurance	Approx 54 days (25 m3 / day)
Endurance of Fuel, during survey	Approx 140 days 10 m3 / day)
Consumption of Fuel in Port	3 m3 / day
Safety Equipment Certificate	69 persons
Bridge Navigation Equipment	
Radar No 1	FURUNO FAR-2827
Radar No 2	FURUNO FCR-2837
Radar No 3	FURUNO FAR-2827
VDR / S-VDR	FURUNO VR-3000-6G
ECDIS	2 x Furuno TECDIS T-2136 1X Maris Ecdis 900
Gyro Compass	3 x Anschutz Standard 22 GG-R/GGM-R, 2 x Anschutz 133-407 Bearing Repeater Compass
Auto Pilot	Anschutz Adaptive, NautoPilot 2025-Plus, Kongsberg cJoy
GPS Receiver	2X FURUNO GPS Navigator, Model GP-150, 1xKonsberg DPS200 DGPS, 1xKonsberg DPS232 DGPS
Speed Log	FURUNO DOPPLER SPEED LOG, Model DS-80
Echo Sounder	FURUNO Model FE-700
Motion Monitor	Kongsberg-Seatex Helideck Monitoring System HMS 100
Navtex Receiver	Furuno NX-700B
UPS, Power Supply to all GMDSS equipment	2 x Mass 24/50 chargers; 2 x 12 volt batteries
Additional Notes:	
Magnetic Compass	N/A
Communication Equipment, Compliant With GMDSS Requirements	
Radio Station License No.	Cyprus 1301000569
Class / Corr. Category	GMDSS – A4 complete
Ship / Air Craft Radio	2 x JOTRON TR-810 VHF/AM Airband Fixed, 6 x ICOM IC-A6E Airband portable
Helicopter Beacon	1 x Tele Supply, model TS-1B Non-Directional Beacon
Automatic Identification System (AIS)	FURUNO FA-150

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SHIP AGENTS SINCE 1923

RFC: CAN910702-6X9 / RPMN: 1723-3640
 Calle 61 No. 5, Entre Calle 26 y 38, Col. Miami
 C.P. 24120, Cd. del Carmen, Campeche, México
 Tel: +52 (938) 3821134, 3821152 Fax +52 (938) 3823885
 Email: benjamin@canega.com



Transmitter / Receiver, Main (MF)	2 x Sailor MF/HF/DSC 250W SIMPLEX RADIOSTATION, system CU 5100
Transmitter / Receiver, Main (VHF/ DSC)	2 x Sailor VHF/DSC Simplex, RT5022
Radio, VHF, GMDSS, Type 1	2 x Sailor VHF/DSC Simplex, RT5022
Radio, VHF, GMDSS, Type 2	2 x Sailor VHF/DSC Simplex, RT2048,
Radio, VHF, GMDSS, Type 3	1 x Sailor VHF/DSC RT6216
Radio, VHF, GMDSS, Portable / Hand Held	3 x JOTRON Model TRON TR-20
Radio, VHF, Portable	3 x ICOM, Model-IC-M72
Radio, UHF, Fixed	3 x Motorola GM380
Radio, UHF, Portable	6 x GP 380, 18 x GP 340
Booster Unit for Portable Radio (UHF)	
Emergency Radio Beacon (EPIRB)	1 x Jotron 40S freefloat, 1 x Jotron 60S/GPS
Radar Transponder	2 x Jotron TRON SART,
Long Range Identification and Tracking (LRIT)	A3 – Thrane & Thrane, TT-3000LRIT; A4 – Blue Tracker, BT LRIT
Radio Direction Finder	Taiyo, TD-L1550
Weather Facsimile / Weather Station	Furuno, Model- FAX 408
Ship Security Alert System (SSAS)	Sailor Sat C Model TT3000EB (Integrated unit)
Additional Notes:	

1xFanbeam DP reference system

Satellite Communications

MMSI Number:	212593000
Accounting Authority Code (AAIC)	GB 11
Inmarsat Type A	N/A
Inmarsat Type B	N/A
Inmarsat Type C	SAILOR with EGC, Model TT3000EB, 421 259 311
Inmarsat Fleet 77	SAILOR 500 Fleet Broadband +870 773 261 042
V-Sat	+1 469 484 5171 or +44 20 7576 6871
Max. Bandwidth on V-Sat	512 kbit/sec
Telefax Machine	BROTHER, Model-FAX-2820 +870 765 047 466
Internal E-Mail & PC Network	Ethernet
E-Mail Address To Vessel	Captain@tasman.westerngeco.slb.com Party_Chief@tasman.westerngeco.slb.com
Additional Notes:	
Iridium Telephone	+881 622 485 308

Safety Equipment Crew

Lifeboat Type / Capacity/ No. of Boats	N/A
Engine, Lifeboat	N/A
Life Raft Type /Capacity	Zodiac, 37 pax, davit operated; Viking MOB, 6 pax
Number of Life Rafts	6 +1
Life Jackets No.	143
Survival Suits, Thermo Insulated	74, Unitor Aquata ARO V40
Working Suits, Thermo Insulated	5 Helly Hansen for FRB + 23 Typhoon for WB
Man Overboard Boat (FRB) Type	NORSAFE TEK 075 MAGNUM
Engine and Speed of Boat (FRB)	1 x Yanmar 6LPA-STP2,211 KW; Approx 30 knots
Waterjet and Gear Drive (FRB)	Jet Drive, Hamilton jet HJ241
FRB Davit	NORSAFE Zollern Getriebe, SWL- 4T
Work Boat No.1	WESTPLAST WP950
Engine Work Boat no.1 and Speed of Boat	2 x Yanmar 6LP-STP 290hp; Approx 24 knots
WB No.1 propulsion type	Dual Jet
WB No. 1 Davit	VEST DAVIT, SWL – 12 T
Work Boat No.2	

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Engine Work Boat no.2 and Speed of Boat	
WB No. 2 propulsion type	
WB No. 2 Davit	VEST DAVIT, SWL – 12 T
Additional Notes:	
Liferaft Davits	2pcs, NED-DECK SCM 33-4.0
Fixed Fire Extinguisher System	
Engine Room / Compressor Room	HI-FOG Water mist system
Emergency Generator Room / Separator Room	HI-FOG Water mist system
Incinerator Room	HI-FOG Water mist system
Galley Ducting	HI-FOG Water mist system
Tape Store	N/A
Cable Store	N/A
Streamer Winch Room	Foam Deluge System, AFFF 3%
Helicopter Deck	2 Foam Monitor, AFFF 3%
Paint Store	Hydrophore - Water Sprinkler
Chemical Store	Hydrophore - Water Sprinkler
Central Store	HI-FOG Water mist system
Main Foam Pump, AFFF Foam Mixture	DPVF 10-120 (5.5 kW Motor); 3 x 400 V / 50 Hz; 3.75 m3/h @ 13.5 bar 3%
Main Fire Pump	2 x 50m3/hrs 6 bar, 1 x 270 m3/hrs 11 bar
Emergency Fire Pump	40 m3/hrs 6 bar
Fire Detection Monitoring System	TYCO Minerva T2000 single sensor system
Hull Outfitting	
Anchor	2 X STOCKLESS SPEK-TYPE APPROX 3300 KG EACH
Windlass	HYDRAULIC 2 X DECLUTCHABLE CABLE LIFTERS, MAX 15 TON
Mooring Winches	HYDRAULIC 3 X DECLUTCHABLE MOORING DRUMS , 15 TONS
Capstan no.1	Hydraulic, 10 Tons
Capstan no.2	Hydraulic, 10 Tons
Capstan no.3	Mooring Capstan (fwd), 5 TONS
Decks Crane 1, Capacity / Reach / Location	Dreggen offshore crane 21 m 7.5 Ton – C-deck
Decks Crane 2, Capacity / Reach / Location	HEILA HM 10-2S 5 MTR , 1 TONS, D-deck
Decks Crane 3, Capacity / Reach / Location	N/A
Decks Crane 4, Capacity / Reach / Location	N/A
Anti Rolling Damping System	
Heeling Tanks, Volume and Fuel / FW / SW	Stability Tanks- Tk-20, cap-151.2 m3; Tk-23,cap-149.4m3
Bunker Connections, Locations	Stbd side, amidships
Bunker Connections, Type	4" TODO
Bunker Hose Length and Dimension (Loose)	N/A
Crew Accommodation, No of Bunks	69 persons , 69 bunks
Single Berth Cabins	15
Double Berth Cabins	27
Client Cabins, Single Berth	2
Business Conference and Training Room	1
Training Room with Computers / Network	1
Sauna and Fitness Room	YES, 1 each
International Oil Pollution Prevention (IOPP) Equipment	
Incinerator, Sludge and Waste Oil	TeamTec OG200C, 465 kW
Bilge / Oily Water Separator	RWO MARINE WATER TECH. SKIT/S DEB 2.5
Oily Water / Sludge Holding Tanks Cap.	F.O. Drain Tk 6.8m3, Sludge Settl Tk 17.6m3, Sludge Tk 10.4m3, L.O. Drain Tk 11.7m3, Dirty L.O. Tk 11.7m3, Incinerator Sludge Tk 0.7m3, Bilge Tk 17.3m3.

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Oil Spill Absorbent / Damage Control	Aborbent Pads, Booms, Scupper Plugs Absorbent
Sewage Treatment Plant	Biological sewage treatment plant DVZ services
Machinery Equipment	
Air Source, HP Compressors	3 x LMF 51/138-207-ES50
Air Capacity, Each and Total (CFM)	3 x 51 M3/Min, 138 Bar 2000 psi, 207 bar 3000 psi
HP Compressor Drive Motors	3 x 850 KW
Main Engine or Electric Prop. Motors	ABB 2 x 3000 EKW
Auxiliary Engines (Generator Drive)	N/A
Redundancy Propulsion, Az-Thruster	BRUNVOLL AR63LNC650 850KW
Vessels Total Brake hp / kW for Prop.	6000 EKW
Main Engines, Power Supply	6 x 1800 KW Wartsila 9L20
Propeller Type, Main Propulsion	2 X SCHOTTEL SRP 3030 CP
Propeller and Thruster Control	SCHOTTEL
Propeller Blade, Spare	COMPLETE SPARE SCHOTTEL
Generators / Alternators	6 X 1710KW/690 V MARELLI MOTORI MJR 630 SB6 B20
El. Power, Useful, Out from M. S. Board	10260 EKW
UPS Power To Instrument Room	1 X 120KVA MGE GALAXI 5000 UPS
Power Supply Instrument Room Back -Up	1 X 120KVA MGE GALAXI 5000 UPS
Emergency & Harbour Gen. Engine	CATERPILLAR C9 D1-TA 215 KW
Emergency & Harbour Generator	N/A
Fuel Back-Up System for Aux. Engines	N/A
Cooling System for Aux. Engines	N/A
Bow Thruster	BRUNVOLL FV100LTC2450 1200 KW
Stern Thruster	N/A
Fresh Water Generator (FWG)	2 x Alfa Laval JWP-26-C80 FW Generators Capacity 20m3/24h each
Boiler, Exhaust Gas & Oil Fired	N/A
Steering Gear	SCHOTTEL

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Seismic Specifications

Main Particulars

Streamers	130Km Q-Seabed
Tow Points	4 (Cable Overboard Units) 6 Streamer tow points
Sub Arrays	6

Energy Systems

Gun Controller Hardware (Model & Manufacturer)	Trisor 1.6 patch 9, SunFire V240
Gun Controller Software (Type & Version)	Trisor
Guns (Manufacturer, Type & Capacities)	Bolt Technology 1500LL & 1900LLX (30cuin to 660cuin)
Gun Cable Type	DAG-C
Diameter of Air Hose	1"
Gun cable length	550m
Nominal Source Pressure	2000psi
Pressure Release	Electro-magnetic Solenoid
Sensor Return	Sensor
Timing Resolution	0.1ms
Source	Bolt Gun Source Sub-array
Total Compressor Capacity	3 X 51 M3/MIN
Compressors (Manufacturer & Capacity)	LMF, EACH 138 BAR 2000 PSI
Near Field Phone (Manufacturer & Type)	WesternGeco 6 per Sub-array
Far Field Phone (Manufacturer & Type)	NA
Depth Indicators	WesternGeco 6 per Sub-array

Streamer & Recording Systems

Streamer (Manufacturer & Type)	Q-Seabed: INHOUSE WESTERNGECO EQUIPMENT
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Streamer Deflector Type	N/A
Section Breaking Strength (Typical)	6000 kg
Typical Towed-Streamer Stress	NA
Streamer Capacity (Max onboard)	130 km
Streamer Control Device (Manufacturer & Type)	N/A
Recording System Hardware (Model & Manufacturer)	WESTERNGECO TRIACQ V
Recording System Software (Type & Version)	Triacq 5, version 5.4401 (build 57)
Single & Multi-Trace Plotter (Manufacturer & Type)	N/A
Auxiliary Systems	N/A
Recording System Format	SEG D 8058 rev 2
Recording System Media	IBM 3592
Recording System Device	IBM 3592 TAPE DRIVES
Additional Notes	Q-Seabed
Navigation Systems	
Instrument Room Gyrocompass (Manufacturer & Type)	3x ANSCHUTZ Standard 22 GG-R/GGM-R
Source Positioning System (Manufacturer & Type)	SEATEX, SEATRACK 330
Global Positioning System (GPS) Receivers (Manufacturer & Type)	2 x WG TRINAVGPS TRINAV 4.1 3 x VERIPOS Verify 2 x FUGRO Star Pack & Multifix WG TRINAV 4.1, Veripos, Fugro
DGPS QC System (Manufacturer & Type)	WG TRINAV 4.1
Integrated Navigation System (Manufacturer & Type)	WG TRINAV 4.1
3-D Quality Control System (Manufacturer & Type)	WG TRINAV 4.1
Tail Buoy (Manufacturer & Type)	WesternGeco, TB98 MultiPurpose Float
Tail Buoy Positioning (Manufacturer & Type)	SEATEX, SEATRACK 220 GPS UNIT
Onboard Tail Buoy Positioning (Manufacturer & Type)	WESTERNGECO, TRINAVGPS
Ultra-Short Baseline (USBL) Acoustic Positioning System (Manufacturer & Type)	Kongsberg MST 319 transponder beacons / Sonardyne Ranger2 PRO USBL tracking system
Acoustic Positioning System (Manufacturer & Type)	WESTERNGECO TRINAV 4.1 and IRMA
Current Profiler (Manufacturer, Type & Frequency)	NORTEK AWAC / SEISADCP 1Mhz
Temperature/Salinity Dip Profiler (Manufacturer & Type)	Valeport 604 CTD Valeport Midas SVX2
Echo Sounder (Manufacturer & Type)	KONGSBERG EA600 1 x 18 kHz 1 x 38kHz 1 x 200 kHz
Transducer Frequency & Theoretical Range	-7.24m
Transducer Draft	P190 & P294 OGP Std., SPS
Recording System Format (Nav)	IBM 3592
Recording System Media (Nav)	IBM 3592 TAPE DRIVES
Recording System Device (Nav)	x3 BATS antennas, x2 Aironet Radios, x1 Datalinc Radio
Additional Notes	
Onboard Seismic QC	
System	Q-Xpress
Software	OMEGA 2011.1p

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Hardware	QC5: SUNFIRE V 890 QC7: SUN SPARC Enterprise T5220 QC8: SUN SPARC Enterprise T5220 QC9: SUN SPARC Enterprise T5220 SDBServer: SUN SPARC Enterprise T5220
Onboard Seismic Processing System	Q-XPRESS
Software	OMEGA 2011.1p
Hardware	5x x3650, 2x3.0GHz 5160 Xeon Servers 4x x3550 M3, 2x2.0Ghz Quad Core Xeon Servers 5 x IBM blade center 70 x HS21, 8x3GHz Quad core E5450 Xeon 6 x IBM blade center 84 x HS22, 8x2.93GHz Quad core E5500 Xeon 8 x Jaguar 3592E05 Drives 4 DELL Precision T5400, 8x2.66GHz E5430 Intel Workstations 1 DELL Precision T5500, 4x2.27GHz E5520 Intel Workstation 2 Blue Arc Titan Heads, 2100 120Tb disk, 8 racks RC12 SAS 2Tb FDE



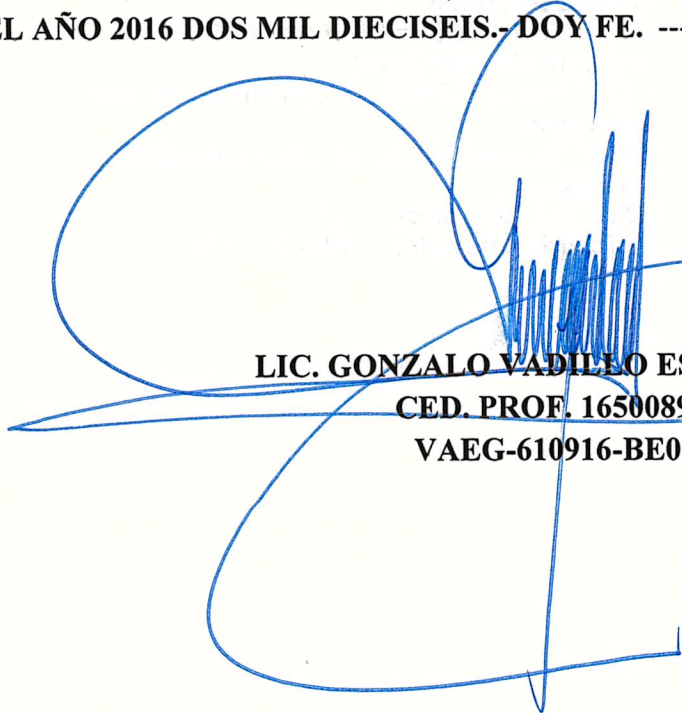
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PARA CONSTANCIA EXPIDO LA PRESENTE CERTIFICACION EN LA CIUDAD DEL CARMEN, MUNICIPIO DEL MISMO NOMBRE, ESTADO DE CAMPECHE, ESTADOS UNIDOS MEXICANOS, A LOS 7 SIETE DÍAS DEL MES DE OCTUBRE DEL AÑO 2016 DOS MIL DIECISEIS.- DOY FE. -----

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LIC. GONZALO VADILLO ESPINOSA

CED. PROF. 1650089.

VAEG-610916-BE0

