

Appendix - Fleet

BGP HAIBAO

Shallow Water Source Vessel



PRINCIPAL PARTICULARS

Vessel Type	RESEARCH SHIP
Flag	CHINA
Year Built	MAR.31.2010
Call Sign	BFAH3

DIMENSIONS

Length Overall	47.90m
Breadth Overall	8.80m
Depth Overall	3.70m
Gross Tonnage	499
Tonnage	149

MACHINERY

Diesel engine	KTA19-M
Power	373kw*2
Generator	NTA855-D(M)
Power	180KW
Propeller	Twin Screw fixed pitch
Bow Thruster	STT110L-FP(45kw)

NAVIGATION AND COMMUNICATION SYSTEM

Radar	FURUNO FAR 2127
Navtex	FURUNO NX-700A
Cyro Compass	TOKYO/KEIKI/TG-8000
AIS	FURUNO FA-150
EPIRB	SEP-406

SOURCE EQUIPMENT

Gun Type	BOLT 1900LLXT
Array Volume	1640 CU.IN.
Operating Pressure	2000psi
Source Controller	BIGSHOT
Number of arrays	2

COMPRESSOR

Type	LMF 31/138-207D
Total capacity SCFM	1100 Cubic Feet per Minute
FAD1(inlet)	31m³/min=1100 cfm
Discharge Pressure1	138bar=2000psig
Discharge Pressure2	207bar=3000psig
Power Consumption	522kw
Frequency	60Hz (cps)
Piston Compressor Type	VC 3221 W21 NO.L08VC217
Screw Compressor Type	SIGMA-G NO.1048
Engine Type	Caterpillar 3508T

Appendix - Fleet

BGP HYWT

Shallow Water Source Vessel



Vessel Name	-	HYWT 203/204
Vessel Type	-	Research/Survey Vessel
Year Built	-	2019
Place Built	-	Dalian Songliao Shipyard, Dalian China
IMO	-	9885207/9885219
Call Sign	-	HP5385
Classification	-	NU
Registered In	-	PANAMA CITY
Flag of Registry	-	PANAMA
Vessel Owner	-	BGP INC, China National Petroleum Corporation

VESSEL DIMENSIONS

Length Overall	26.50 m
Beam Moulded	8.00 m
Depth Moulded	1.60 m
Draft	1.20 m

TONNAGE

Gross Registered Tonnage	123
Net Registered Tonnage	37
Deadweight Tonnage	N/A

MACHINERY

Main Engines	3*MERCURYQSD4.2257KW @ 3800RPM
Auxiliary Engines	2*Cummins CCFJ60J60KW @ 1500RPM
Emergency Generator	N/A
Bow Thruster	N/A
Propellers	3*Fixed Pitch Propellers
Main Steering Gear	1*Hydraulic @0.7KN.m

PERFORMANCE

Maximum Speed	10 Knots
Economical Speed	5.8 Knots

TANK CAPACITIES AND PUMPS

Fuel Oil	20.8m ³
Fuel Oil Pump	5m ³ /h
Fresh Water	4.5m ³
Fresh Water Pump	1.8m ³ /h
Sewage TreatmentPlant	2.0PWF-3 tiantai sea pump value limited company

ACCOMODATIONS

Cabins	N/A
Berths	N/A
Hospital	N/A

FIRE FIGHTING EQUIPEMNT

Fi-Fi Notation	N/A
Fi-Fi Monitors	N/A
Fi-Fi Pump	2*Fire Pump 16m ³ /h; 1*Emergency Fire Pump 25m ³ /h

NAVIGATION/COMMUNICATION

GMDSS	N/A
VHF Radio	SAILOR 6222 Class A
SSB Radio	N/A
Satellite Tel/Fax/Email	N/A
Radar	SIMRAD ARGUS 12U/6X P
NAVTEX Receiver	N/A
GPS	COBHAMSAILOR 6570
AIS	SAILOR SAILOR 6281
Echo Sounder	NINGLU DS2008
Doppler Log with Current Mode	N/A
Speed Log	N/A
Gyro Compass	TKC TKG-1000
Magnetic Compass	RUIAN CPT 165-A
Auto Pilot	N/A
Watch Keeping Receiver	N/A

LIFE SAVING EQUIPMENT

Life Raft	2*10 Men, SOLAS Compliant
Lift Jackets	32
Life Buoys	6
Fast Rescue Boat	N/A

SOURCE EQUIPMENT

Gun Type	8*Bolt 1900LLXT
Source Controller	Bigshot+Digitizer
Near Field Hydrophone	4*AGH 7100C
Gun Depth Sensor	4*AGH D500
Gun Pressure Sensor	2*AGH P600

COMPRESSOR

Type	1*LG•V-18/220-C
Power Consumption	11kw
Total Capacity SCFM	18m ³ /min
Engine Type	KTA19-M3