



NAVIGATION EQUIPMENT

MAIN RADAR	Furuno colour RDP-115 S-band (10cm), ARPA 28' display, complete with remote display at aft console
AUXILIARY RADAR	Furuno FR-2825 colour X-band (3cm), 21' display
AUTO PILOT	Tokimec PR6000
MAGNETIC COMPASS	Tokimec SH165A1
ECHO SOUNDER	Skipper ESN100
GPS	Furuno GP - 170
COMMUNICATIONS	1x SSB SAILOR 6301 MF/HF, 2x INMARSAT C, 3x PORTABLE VHF, 2x SARTS
NAVTEX RECEIVER	JRC NCR-330
WEATHER FAX	JRC JAX-9A
SATELITE COMMUNICATION	VSAT/FBB
AIS	1x Furuno FA-170
ECDIS	Vartsilia

DISCHARGE PUMPS

FUEL OIL	2x 150m ³ /hr at 9.0 bar
SLUDGE	10m ³ /hr at 2.0 bar
FRESH WATER	1x 150m ³ /hr at 9.0 bar
DRILL / BALLAST WATER	1x 200m ³ /hr at 9.0 bar
DRY BULK	2x Screw type air compressors at 23m ³ /min, 5.6 bar discharge rate of capacity 80t/hr
SPECIAL LIQUIDS	1x 75m ³ /hr at 18 bar
HOSE CONNECTIONS	Fuel oil - 4' AVERY HARDOLL MALE, Potable Water - 4' Female Camlock, Drill Water - 4' Female Camlock, Mud - 4' Camlock

PERFORMANCE & ECONOMY

ECONOMICAL SPEED	Approx. 10m ³ /day 7kts (1 ME), Approx. 15m ³ /day 10kts (2 MEs)
DP<20%	Approx. 11m ³ /day
DP>35%	Approx. 15m ³ /day
STANDBY IN PORT	Approx. 1.5m ³ /day
STANDBY IN FIELD	Approx. 5.1m ³ /day 1-4kts 1 ME, Approx. 9.1m ³ /day 1-4kts 2 Mes
NOTE	Performance & Economy figures given at mean vessel draft of 5.5m (1900t dwt) & Beaufort Scale 2

DYNAMIC POSITIONING SYSTEM

TYPE	GE Energy C-series DPS-21 Duplex DP System with RRM Poscon Independent Joystick System
REFERENCE SYSTEMS	2x Veripos LiD5 DGNSS, 1x Fanbeam
MOTION REFERENCE UNITS	3x Tokyo Keiki TG8000, 2x Gill Wind Observer II UltraSonic Type, 1x RM Young Mechanical Type, 3x VRU TTS DMS
CONTROL MODES	Auto Sail, Auto track (low speed), Joystick auto heading, DP minimum power, ROV follow
JOYSTICK	Poscon - electronic control system joystick, integrated to main propellers, main engines, rudders, side-thrusters and interfaced to gyro compass

EXTERNAL FIRE FIGHTING

CAPACITY	2x 1500m ³ /hr
MONITORS	2x 1200m ³ /hr
THROW LENGTH	120m
THROW HEIGHT	50m
DRENCHING SYSTEM	Yes
FOAM TANK	12.3m ³
RESCUE BOAT	1x Maritime Partner MP660 Springer, 10 person SOLAS approved FRB with inboard diesel waterjet

ANTI - POLLUTION

DISPERSANT TANK	12m ³
SPRAY BOOMS	2x Booms (1port, 1 starboard) at 6m
SPRAY NOZZLES	3 fitted on each boom

CONTACT

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GENERAL

NAME	AHTS Bazalt II	MMSI NUMBER	210444000
CLASSIFICATION	PRS DP II	CALL SIGN	5BAK6
OWNER	Bazalt Navigation Company Limited	IMO NUMBER	9250036
BUILT	2002	PORT OF REGISTRY	LIMASSOL
PORT / FLAG	CYPRUS		

DIMENSIONS

LOA	68,95 M	DEADWEIGHT	2355 T
BEAM	15.5 M	DECK LOAD CAPACITY	800 T
DRAUGHT	6.0 M	DECK STRENGTH	5 t/m ² - main deck 10t/m ² - aft AH deck
TONNAGE	2327 GT		

ACCOMMODATION

CREW CABINS	for 12 person
SPECIALISTS CABINS	for 14 person 3x 4 person, 1 cabin for 2 person
RECREATION	TV sat/gym, one recreation room, one office

PROPULSION

MAIN ENGINES	2 x Bergen BRM9 each 3975 kW = 7950 kW (10657 bHP)	2x CPP propellers in KORT nozzles, with HI-lift flap rudders
THRUSTERS	2x RRM bow thruster each 590 kW / 791 bHP	2x RRM stern thruster each 590 kW / 791 bHP
BOLLARD PULL	139t at 100% MCR	
SHAFT GENERATORS	2x shaft generators 1280 ekW (1600 kVa), 450v 60Hz	
AUXILLIARY GENERATORS	2x diesel/gen output 320 ekW (400kVA), 450v 60Hz	
EMERGENCY GENERATORS	1x diesel/gen output 65 ekW (80 kVA), 450v, 60Hz	

TANK CAPACITIES

BRINE/MUD	459m ³ Brine; 439m ³ Mud	FRESH WATER	448m ³ (dedicated), 947m ³ (Multi usage tanks)
DRILL/BALLAST WATER	101m ³ (dedicated), 1060m ³ (Multi usage tanks)	FUEL TOTAL	797m ³
DRY BULK	224m ³ (in 4 tanks)	SHIP'S STORES	Freezer (-25c)=11m ³ , Chiller (+4c)=9.5m ³ , Dry Store (+22c)=23m ³

DECK EQUIPMENT

TOWING / WORKING WINCH	1x Tow winch 300t 1st layer 0-7.0 m/min, Wire capacity 1200 m of 76 mm dia
ANCHOR HANDLING WINCH	2x AH winch each 300t 1st layer 0-7.0 m/min, Wire capacity 1200m of 76mm dia
BRAKE CAPACITY	450t 1st layer
SPARE REEL CAPACITY	2x rope reels for storage pennant/tow wire, Capacityof: 1500m of 76 mm wire
WIRE STORAGE REEL	1x wire store reel
CHAIN LOCKERS	1x 195m ³ , 2400m 76mm chain or 2000m 84mm chain
TOWING PINS	4x for ships with BP up to 240t
KARM FORKS	2x for wire/chain with MBL up to 500t
STERN ROLLER	RRM single drum with diameter 2.4m x length 50m 450t SWL
CAPSTANS	2x RRM 8.5t 0-20m/min
TUGGER WINCHES	2x RRM 10t 0-38 m/min, Storage capacity 100m of 19 mm dia
PROVISION CRANE	1x electric hydraulic knuckle
CHAIN GYPSIES	2x 76mm + 2x 84mm
WINDLASS	RRM combined windlass / mooring winch Duty on warping ends, 10.5t 0-13.5 m/min, light line 0-45 m/min, Duty on cable lifters, nom pull 9.5t 0-13.5 m/min, max pull 11.5t, Duty on mooring drums, stowing capacity 120m of 40 mm rope, duty on mooring drums 9.5t 0-13.5m/min, lowering 0-45 m/min
SMIT TOWING BRACKET	1x 200t SWL located on fo'c'sle

ahts BAZALT II

