



Tug And Barge Solution, Inc.



AHT 'Offshore Solution'

AHT / OCEAN GOING MULTIPURPOSE / FIRE FIGHTING
BUILT: 2004

OFFSHORE VESSELS





MAIN DETAILS

IMO NUMBER	9303625
OFFICIAL NUMBER	
TYPE	AHT, OCEAN GOING MULTI PURPOSE. FIRE FIGHTING
REGISTRATION PORT	Panama
FLAG	Panama
SHIP OWNER	Tug And Barge Solutions Inc
GRT / NRT	964 / 289
CLASSIFICATION	LLOYD'S REGISTER
CALL SIGN	HKBT2
NOTATION	CLASS 1 HULL + MACH, TUG UNRESTRICTED NAVIGATION, FIFI
DATE OF BUILD	2004

DIMENSIONS

LENGTH OVERALL	48.00 M
LENGTH WATERLINE	45.00 M
BREADTH MOULDED	13.20 M
DEPTH MOULDED	5.20 M
DRAFT (MAX)	4.5 M

PROPULSION SYSTEM

MAIN ENGINES	2 X 2,375 BHP CAT 3516B DITA (B RATING) HIGH DISPLACEMENT
MAIN GENERATOR	3 X 315 KW/415 V/3 PH/50 HZ
EMERGENCY GENERATOR	1 X 50 KW/415 V/3 PH/50 HZ
BOW THRUSTER	1 X 315 KW TUNNEL UNIT, 5 T THRUST
STEERING GEAR	2 X 35 DEGREE - 5 T
PROPULSION	2 X CPP TYPE BERG 4 BLADES

TOWING AND ANCHOR HANDLING EQUIPMENT

BOLLARD PULL	57 T
TOW DRUM	DRUM CAP 1,000 M X 56 MM WIRE ROPE BRAKE HOLDING 200 T (1ST LAYER) LINE PULL 150 T ON 1ST LAYER
ANCHOR HANDLING DRUM	DRUM CAP 1,000 M X 56 MM WIRE ROPE BRAKE HOLDING 200 T (1ST LAYER) LINE PULL 150 T ON 1ST LAYER
STERN ROLLER	1.6 M Ø AND 3.5 M LONG W/SWL 150 T
SHARK JAWS	300 T HYDRAULIC RETRACTABLE
TOW PINS	2 X 600 MM EXTENDED (100 T)

FIRE FIGHTING EQUIPMENT AND ANTI-POLLUTION

EXTERNAL:	
FIFI	FIFI 1
FIRE PUMP	2 X 1,417 M ³ /HR @ 12.1 B1A BRAR
MONITORS	2 X 1,200 M ³ /HR @ 13 BAR REMOTE CONTROLLED
ELECTRICAL BA	75 L/MIN @ 200 BAR
RECHARGING COMPRESSOR	
INTERNAL:	EMERGENCY FIRE PUMP, CO2 SYSTEM IN ENGINE ROOM, FIRE DETECTION AND ALARM SYSTEM IN ACCOMMODATION

DISCHARGE RATES

FUEL OIL	90 M ³ /HR @ 75 M/HEAD
FRESH WATER	60 M ³ /HR @ 50 M/HEAD

PERFORMANCE

MAXIMUM SPEED	13.50 KN
ECONOMICAL SPEED	ABT 13 M/24 H @ 100% MCR
TYPE OF FUEL	MARINE GAS OIL

CARGO CAPACITIES

DEADWEIGHT	860 T
DECK STRENGTH	7.5 T/M ² UNIFORM LOADING
CLEAR DECK AREA	225 M ²
DECK CARGO	300 T
FUEL OIL	600 M ³
FRESH WATER	190 M ³
BALLAST WATER	90 M ³
FREEZER	12 M ³
CHILLER	12 M ³
FOAM	19 M ³
DISPERSANT	19 M ³

DECK EQUIPMENT

HYDRAULIC A-FRAME SWL 20 T	
RIGGING SYSTEM	TUGGER PORT AND STARBOARD SIDE
WINDLASS	10 T @ 9 M/MIN FOR 36 MM Ø CHAIN
BOW ANCHORS	2 X 1,080 KG HIGH-HOLDING TYPE ANCHORS
CHAINS	2 X 440 M X 36 MM Ø STUD LINK CHAIN
CAPSTAN	2 X 5 T @ 15 M/MINS
TUGGER WINCH	2 X 10 T @ 15 M/MINS
DECK CRANE	RATED 5 T @ RADIUS 10 M

RADIO AND NAVIGATION EQUIPMENT

GMDSS	AREA 3
RACK CONSOLE	1 X SSB - 250 W
INMARSAT C	1 UNIT
VHF TRANSCEIVER	2 X TRANSCEIVERS
EPIRB	1 UNIT
PORTABLE VHF	3 X TWO-WAY PORTABLE
SART	2 UNITS
NAVTEX RCVR	1 X FURUNO
X-BAND RADAR	2 X FURUNO RADAR 64 NM
ECHO SOUNDER	1 X FURUNO 200 KHZ DC24V
GPS PLOTTER	1 X ANSCHUETZ
GYRO COMPASS	1 X ANSCHUETZ
MAGNETIC COMPASS	1 X SAURA
AUTOPILOT	1 X ANSCHUETZ
WEATHER FAX	1 X FURUNO
SPEED LOG	1 X FURUNO

LIFE SAVING AND HSE EQUIPMENT

SEARCH LIGHTS	3 X SEARCH LIGHTS W/ REMOTE ELECTRIC
FLOOD LIGHTS	5 X 1,000 W FLOODLIGHT
LIFE RAFTS	TO SOLAS REQUIREMENT
LIFE BUOYS	10 PCS
LIFE JACKETS	32 PCS
IMMERSION SUITS	3 PCS
RESCUE BOAT	RESCUE BOAT 25 KN SOLAS APPROVED
SEWERAGE TREATMENT	1 X 30 MEN PER DAY, WCB-30
OILY WATER SEPARATOR	1 X 1 M ³ /HR
WATER MAKER	1 X 4.9 M ³ /DAY REVERSE OSMOSIS
CERTIFIED ISM/SMC BY BUREAU VERITAS	

*ALL SPECIFICATIONS GIVEN ARE SUBJECT TO CHANGE WITHOUT NOTICE.

ADDITIONAL VESSEL CAPABILITIES & EQUIPMENT ONBOARD AS PER REQUIREMENT

GEOTECHNICAL SERVICES

- LIGHT GEOTECHNICAL

SURVEY SERVICES

- GEOPHYSICAL SURVEY
- HYDROGRAPHIC CHARTING
- ENVIRONMENTAL STUDIES

EQUIPMENT ONBOARD

PISTON AND BOX CORING

- CORING WINCH
- BOX CORING SECONDARY AIR TUGGER
- BOX CORING RIG
- CORING TROUGH
- CORE PROCESSING LAB
- PISTON CORING TUGGER

MINICPT/SEASCOUT

- UMBILICAL WINCH
- BOX CORING SECONDARY AIR TUGGER
- SEASCOUT/ MCPT UNIT
- HANDLING TUGGER

CONVENTIONAL SURVEY

- SIDESCAN SONAR WINCH (1010 WINCH)
- MAG WINCH (1010 WINCH)
- SUBBOTTOM PROFILER
- FATHOMETER

Chase & Supply Boat Services

Buoys and Channel Markers Services



