

HAVILA FORTUNE

74.87m Multipurpose Seismic Survey Vessel



Vessel Flag and Class

Vessel Type	Seismic Research Vessel
Vessel Name	Havila Fortune
Built by	Havyard Tomrefjord
Port of Registration	Nassau
Flag	Bahamas
MMSI	311 017 400
IMO No.	9390551
Official No.	800 1613
Delivery Date	February 2009
Class	BNV + 1A1, E0, SF (+), HL (2,5) AUTR, LFL*, CLEAN, COMF-V (3)
Call Sign	C6X05

Vessel Main Details

Length	74.87m (loa) / 67.20m (bp)
Breadth moulded	16.40m

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Particulars are believed to be correct but are not guaranteed.

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Vessel Main Details (cont.)

Draft (max)	5.25m – 5.6m
Depth moulded	6.10m
Freeboard (min)	1.28m
Corresponding DWT	3205 tons
Gross tonnage	2871 tons
Net tonnage	962 tons
Light ship	2160 tons

Performance/Consumption

Max speed	13.6 knots / 16.0 tons / day
	12.0 knots / 9.0 tons / day
Econ. speed	10.0 knots / 5.6 tons / day
DP operations/stand-by in calm weather	2.5 tons / day
Port consumption	0.8 tons / day

Machinery

Main engines	4 x 1291 bkW Cummins KTA5DC
Main generators	4 x 1239 ekW
Main azimuth thruster aft	2 x 1500 kW 360° Azimuth 2700mm diameter
Emergency generator	1 x 150 kW
Bow thruster	2 x 800 kW tunnel thruster

Mooring and Deck Equipment

Tugger winch	2 x 10 tons
Capstan	2 x 10 tons
Crane	1 x 2 tons / 12m radius
Cargo security winches	Port side cargo rail 3 x 4.6 tons
Power supply for deck container	6 x 440 V

Life-Saving and HSE

Life raft	31 persons
Safety certificate	31 persons
1 x SOLAS MOB / Rescue boat	

Accommodation and Offices

Number of cabins	11 officers / Crew + 10 x 2 berth cabins
Hospital	1
Mess / day room	Yes
Offices	2
Conference room	1
Dirty mess	1
Fitness area	Dedicated, equipped gymnasium
Cool store / freezer	Yes

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Entertaining Equipment

- 1 x SeaTel 5004 TV antenna
- 1 x DVD-Audio / SACD player, DIVX, PROGR 108 / 12V SORT rack mounted

DP / Joystick Control

- AUTR (DP/II) Kongsberg Type DP/II
- Joystick
- 1 x Fan beam
- 2 x DGPS

Navigation Equipment

- 1 x Autopilot: Sperry Autopilot and Heading System
- 2 x NaviPlot 4000 Digital Adaptive Autopilot
- 1 x Steering Control Interface (HCS / SCS)
- 3 x Sperry Marine Digital Marine Gyro Compass
- 1 x Magnet compass system
- 1 x Furuno FCR-2837S 10cm chart reader
- 1 x Funuro FAR-2117 black box, 3cm ARPA radar
- 1 x flat screen TFT / LCD 19.1-inch slave aft bridge
- 1 x TELchart TECDIS system, ECDIS approved according to IMO standards
- 1 x fat screen TFT/LCD 20.1-inch, monitor for TECDIS and backup TECDIS
- 1 x TELchart backup TECDIS system, approved according to IMO standards
- 1 x Funuro GPS GP-150
- 1 x Echo Sounder: SKIPPER GDS101 Navigation Echo Sounder
- 1 x Speed Log: BEN Anthea Blind Electromagnetic Speed Log
- 1 x AIS: TRON UAIS TR-2500 Complete System and ECS connections
- 1 x Sound Signal Reception System (SSRS)

Communication Equipment

- GMDSS Area A3
 - 1 x SSB Radio Furuno SSB FS-1570
 - 1 x Furuno IB-583 Telex terminal
 - 1 x Furuno Navtex NX-700-B
 - 2 x DSV VHF Furuno FM-8800S Simplex Semiduplex VHF radio
 - 3 x VHF GMDSS Portable Jotron TRON TR-20
 - 2 x Inmarsat-C Furuno Inmarsat-C with EGC receiver
 - 1 x EPIRB Jotron, Tron 45SX
 - 1 x EPIRB Jotron, Tron SART
 - 2 x VHF Sailor RT 204.8
 - 2 x UHF Motorola GM380, 403-470MHz, 5 tons, 255 channels
- 6 x UHF Portable Motorola GP380 ATEX, UHF 403-470 MHz, 255 channels
 - 2 x Mobile Smartphones Nokia 32 GSM Smartphone
 - 1 x Mobile Smartphone Nokia 30 GSM Smartphone

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Cargo Capabilities

Deck cargo		1600 tons
Deck area		51,0 x 13,4 m = 683m ³
Deck strength		5 tons / m ²
Fuel oil		1228m ³
Liquid mud	SG 2.5	651m ³ / 4094 bbls. 6 x dedicated tanks
Brine	SG 2.5	+ 203m ³ / 1390 bbls. in multi-use tanks

Tank cleaning in all liquid mud and brine tanks

Base oil		143m ³ / 902 bbls. in dedicated tanks + 203m ³ / 1280 bbls. in multi-use tanks tanks
Pot water		639m ³
Ballast/Drill-water		1121m ³
Methanol		102,8m ³ . Total 205,6 m ³ / 1293 bbls.
Nitrogen bottle rack system + Nitrogen compressor		
Glycol		102 m ³ / 640 bbls. in dedicated tanks
Dry bulk		1186 m ³ / 10947 F3 in 5 x vertical tanks each 62 m ³

Discharge Rates

Fuel oil	1 x 2 sp. screw x 0-200 m ³ /h 9 bar
Liquid mud	2 x Ecc screw x 0-85 m ³ / 24 bar
Brine	1 x centrifugal x 0-75 m ³ / h 24 bar
Base oil	1 x 2 sp. screw x 0-150 m ³ / h 9 bar
Pot water	1 x 2 sp. screw x 0-200 m ³ / h 9 bar
Drill-water / ballast	1 x 2 sp. screw x 0-150 m ³ / h 9 bar
Methanol	2 x centrifugal x 0-100 m ³ / h 9 bar
Glycol	1 x 0-75 m ³ / h 9 bar
Dry bulk	2 comp. x 30 m ³ / min. 5,6 bar and 2,5 bar

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