

**APPENDIX**

**AUTOMATIC IDENTIFICATION SYSTEM (AIS) TEST REPORT**

Name of ship/call sign:	HARALD/OIWX
MMSI number:	230990270
Port of registry:	Helsinki
IMO Number:	5412026
Gross tonnage:	178
Date keel laid:	1963

1. Installation details		
	Item	Status
1.1	AIS transponder type:	OK
1.2	Type approval certificate	OK
1.3	Initial installation configuration report on board?	OK
1.4	Drawings provided? (Antenna-, AIS-arrangement and block diagram)	OK
1.5	Main source of electrical power,	OK
1.6	Emergency source of electrical power,	OK
1.7	Capacity to be verified if the AIS is connected to a battery	OK
1.8	Pilot plug near pilots operating position?	NO
1.9	120 V AC provided near pilot plug? (Panama and St. Lawrence requirement)	NA

2. AIS programming – Static information		
2.1	MMSI number	OK
2.2	IMO number	OK
2.3	Radio call sign	OK
2.4	Name of ship	OK
2.5	Type of ship	OK
2.6	Ship length and beam	OK
2.7	Location of GPS antenna	OK


3. AIS programming – Dynamic information		
3.1	Ships position with accuracy and integrity status (Source: GNSS)	OK
3.2	Time in UTC (Source: GNSS)	OK
3.3	Course over ground (COG) (will fluctuate at dockside) (Source: GNSS)	OK
3.4	Speed over ground (SOG) (zero at dockside) (Source: GNSS)	OK
3.5	Heading (Source: Gyro)	OK
3.6	Navigational status	OK
3.7	Rate of turn, where available (ROT)	OK
3.8	Angle of heel, pitch and roll, where available	NA



4. AIS programming – voyage related information		
4.1	Ships draught	OK
4.2	Type of cargo	OK
4.3	Destination and ETA (at masters discretion)	OK
4.4	Route plan (optional)	NA
4.5	Short safety-related messages	OK

5. Performance test using measuring instrument		
5.1	Frequency measurements AIS ch. 1 and 2, GMDSS ch. 70	OK
5.2	Transmitting output, AIS ch. 1 and 2, GMDSS ch. 70	OK
5.3	Polling information ch. 70	OK
5.4	Read data from AIS	OK
5.5	Send data to AIS	OK
5.6	Check AIS response to "virtual vessels"	OK

6. "On air" performance test		
6.1	Check reception performance	OK
6.2	Confirm reception of own signal from other ship/VTS	OK
6.3	Polling by VTS/shore installation	OK

<b>Electromagnetic interference from AIS observed to other installations?:</b>
NO

<b>Remarks:</b>
Inspected as additional equipment, vessel <300 GRT
CHECKED 29.09.2015 OK 


The AIS has been tested according to IMO SN/Circ.227 and resolution MSC.74(69), annex 3		
Name of Radio Inspector  TUOMAS KOKOI	Date and place 14th June 2012	Name of Radio Inspector Company Finnish Transport Safety Agency 

Tug Harald

MMSI 230990270

Call sign OIWX

GSM CL 0.15m S+b

TV CL 0.50m S+b

SAIOR DSC VHF CL 0.20m S+b

SAIOR DSC VHF CL 1.48m S+b

TETRA VHF CL 1.48m S+b

FURUNO NAVTEX CL 1.48m S+b

FURUNO AIS CL 1.48m S+b

PHILIPS AP NAVIGATOR CL 0.20m Bb

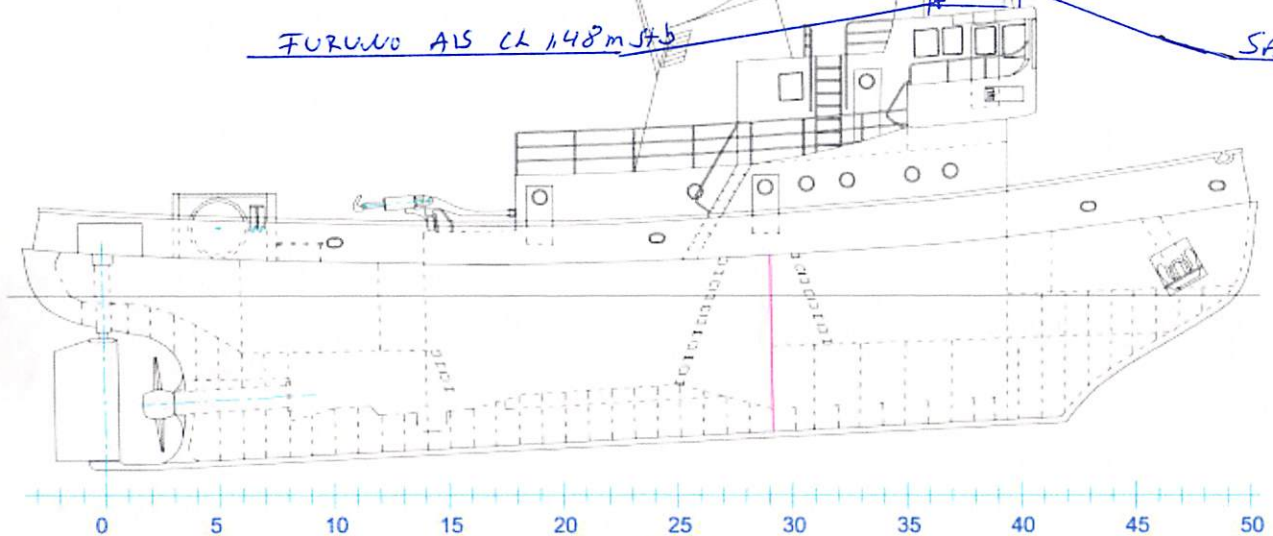
AM/FM RADIO CL 0.50m Bb

FURUNO SAT. COMPASS CL

FURUNO RADAR CL

FURUNO AIS (VHF) CL 1.48m Bb

SAIOR VHF CL 1.48m Bb



Loa: 28.55m

Breadth M: 8.13m