

Vessel Specification

Tuikku

Tuikku is currently under modifications for the project. Class will confirm requirements for LSA/ FF



Description	Details
MAIN PARTICULARS	
Company/Owner	Finnish Sea Service Oy
Vessel name	Tuikku
Vessel type	Pontoon
No. of crew	N/A
No. of PAX	N/A
Flag state & certification	Finland
Classification Society & Notation(s)	LR 100 AT Pontoon
Builder/Yard/number	Kaplaaki
Hull material	Steel
Year of Build	2011
Length Over All (LOA) [m]	57,89
Length between perpendiculars (Lbp) hull [m]	N/A
Beam over all [m]	23,72
Extreme draught [m]	4.0
Operational Draught [m]	3,0
Minimum operational water level below keel [m]	0,30
Freeboard height @ midship [m]	1,5
Bow Height [m] @ transfer point	N/A
Light ship displacement [tonnes]	1000Mt
Design condition displacement [tonnes]	N/A
Max. dead weight displacement [tonnes]	N/A
Fresh water capacity [litres]	N/A
Fuel transfer capability [yes/no]	N/A
Fuel Capacity [litres]	N/A
OPERATIONAL PARTICULARS	
Details	
Service speed [knots]	N/A
Max. speed [knots]@	N/A
Service speed versus Sea state limitation. [kn @ 1.5m Hs] (Company policy)	N/A

Max. speed v. Sea state limitation. [kn @ 1.5 Hs] (company policy)	N/A
Classification info. Society, notation operation limits. [kn@Hs]	N/A
Operational hours restriction if any [hours]	nil
Bollard push [tonnes]	N/A
Bollard push to displacement ratio [BP tonnes/ Displacement tonnes]	N/A
Transfer Operation limit [Hs] and corresponding wave direction to the vessels (eg. 1.5m @head	N/A
MACHINERY PARTICULARS	
Details	
Engine manufacturer/Engine type	2 X Iveco C13ENTX 375 Kw
Number of engines installed.	2
Total Installed power [kW]	750 Kw+ (2X129)
Total installed power to design displacement ratio [kW/tonnes]	N/A
Fuel Specification/grades [Standard] incl. lubricants	Distillate ISO8217
Bow thruster [yes/no]	Yes
Stern Thruster	Yes
Bow thruster power [kW]	129 kW
Stern Thruster (kW)	129Kw
Engine load @ service speed @	85%
Engine load @ Max. speed @ seastate 2	100%
Fuel consumption [litres/h]	100 ltr/h
Fuel consumption [litres/h]	400 ltr/h
Fuel consumption [litres/h]	
Propulsion system type [WJ, CPP, FPP, IPS, other],	FPP
Propulsion system manufacturer and make	N/A
If WJ – Max. WJ input power [KW] @ zero speed, ie Bollard Push [kW]	N/A
DECK ARRANGMENTS &	
Details	

EQUIPEMENT	
Crane [yes/no]	N/A
Crane specification if any.	N/A
Container position [yes/no]	Yes
Container position details. [no. aft, no. fore]	NA
HP washer	Nil
CARGO capacity total [t]	1500tons
Cargo capacity fore deck[t]	750 tons
Cargo Capacity aft deck [t]	750 tons
Specific deck load [t/m^2]	NA
Free Deck Space fore deck[m^2]	600 m2
Free deck space aft deck [m^2]	600 m2
Sewage discharge shore connection	N/A
Oily Bilge water discharge shore connection	yes
Transfer system/Prepared for Transfer system [yes/No] & [Type]	
NAVIGATIONAL EQUIPMENT & COMMS.	Details
Crewfinder system corresponding to the (Personnel locator Beacons (PLB's) used on site [Yes/No]	No
The vessel must at least be equipped with GPS [Yes/No]	YES
The vessel must at least be equipped with NAVTEX [Yes/No]	YES
Communication system on board the vessel must allow communication between the master at the helmsman position and deck crew at any position on the vessel. [Yes/No]	Yes
Radar reflector [Yes/No]	YES
Automatic identification system (AIS) class A [Yes/No]	Yes
Updated nautical paper charts for the operational area and electronic chart display	Yes

approved by authorities. [Yes/No]	
Propeller RPM or thrust indicator [Yes/No]	Yes
Rudder angle indicator (or direction of steering thrust) [Yes/No]	Yes
GHz Radar with plotting function [Yes/No]	3 Cm/Yes
Echo sounding device [Yes/No]	Yes
Speed and distance measuring device capable of measuring speed through the water (speed log) [Yes/No]	No
Satellite compass [Yes/No]	Yes
A fixed mounted magnetic compass, properly adjusted with deviation table [Yes/No]	Yes
Sound signalling equipment [Yes/No]	Yes
GMDSS Radio equipment	1
Handheld VHF for deck personel	2
VHF with DSC & P-channel as advised by site	1
Emergency Position Indicating Radio Beacon (EPIRB)	1
Search and Rescue Transponder (SART)	1
ACCOMMODATION ARRANGEMENT	Details
Seating (number, recline, suspended, fixed)	N/A
Storage	1
Mess/Pantry and toilet/shower	N/A
Dry baggage storage	see GA
Wet changing room	Nil
Storage for sensitive WTG spare parts	Storage room
Comfort levels, Noise levels	

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HVAC	NO
FIRE FIGHTING APPLIANCES	Details
Fixed fire extinguishing system	0
Portable extinguishers	0
Fire pump(s)	0
Fire Hoses	0
Fire Blanket(s)	0
Other	
LIFE SAVING APPLIANCES & RESCUE EQUIPMENT	Details
Liferafts(number, position, total persons accommodated)	Tuikku is under modification/ LR will confirm requirements
Immersion suits (number)	N/A
Thermal Protective aids (number)	N/A
Life jackets (number)	N/A
Life Buoys (number)	N/A
Man Over Board Equipment	N/A
Search Lights (Number, remotely operated, portable)	1
Defibrillator [yes/No]	No
ADDITIONAL FEATURES/REMARKS	Details
Vessel Motion Monitoring System	-
CCTV monitoring and recording of operations	-
Other	-