



**FSS**  
Finnish Sea Service

# Vessel Specification

## APU 1



Description	Details
<b>MAIN PARTICULARS</b>	
Company/Owner	Finnish Sea Service Oy
Vessel name	Apu 1
Vessel type [CAT, MonoHull MH, Trimaran Tri, SWATH, other]	Monohull , Work Boat
No. of crew	2
No. of PAX	2
Flag state & certification	Finland L11115
Classification Society & Notation(s)	Workboat, Sea area 3
Builder/Yard/number	Kankaanpää
Hull material	Steel
Year of Build	2001
Length Over All (LOA) [m]	7,0
Length between perpendiculars (Lbp) hull [m]	N/A
Beam over all [m]	3,00
Extreme draught [m]	0.80
Operational Draught [m]	0.60
Minimum operational water level below keel [m]	0,30
Freeboard height @ midship [m]	0,40
Bow Height [m] @ transfer point	N/A
Light ship displacement [tonnes]	7 mt
Design condition displacement [tonnes]	N/A
Max. dead weight displacement [tonnes]	NA
Fresh water capacity [litres]	N/A
Fuel transfer capability [yes/no]	Nil
Fuel Capacity [litres]	3000
<b>OPERATIONAL PARTICULARS</b>	
Service speed [knots]@ seastate 2	6
Max. speed [knots]@ seastate 2	8
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]	2.0 Mt
Transfer Operation limit [Hs] and corresponding wave direction to the vessels (eg. 1.5m @head	N/A
<b>MACHINERY PARTICULARS</b>	
Engine manufacturer/Engine type	Iveco
Number of engines installed.	1
Total Installed power [kW]	88 kW
Total installed power to design displacement ratio [kW/tonnes]	-
Fuel Specification/grades [Standard] incl. lubricants	Distillate ISO8217
Bow thruster [yes/no]	Yes
Bow thruster power [kW]	Hydraulic
Engine load @ service speed @	80 %
Engine load @ Max. speed @	100%
Fuel consumption [litres/h] @ service speed	30 ltr
Fuel consumption [litres/h] @ Max. speed	80 ltr
Fuel consumption [litres/h	N/A
Propulsion system type [WJ, CPP, FPP, IPS, other],	FPP
Propulsion system manufacturer and make	
If WJ – Max. WJ input power [KW] @ zero speed, ie Bollard Push [kW]	
<b>DECK ARRANGMENTS &amp; EQUIPEMENT</b>	
<b>Details</b>	

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Crane [yes/no]	YES
Crane specification if any.	HIAB 1 Mt
Container position [yes/no]	No
Container position details. [no. aft, no. fore]	NA
HP washer	Nil
CARGO capacity total [t]	2 Mt
Cargo capacity fore deck[t]	0 Mt
Cargo Capacity aft deck [t]	2.0 Mt
Specific deck load [t/m^2]	NA
Free Deck Space fore deck[m^2]	0 m2
Free deck space aft deck [m^2]	3 m2
Sewage discharge shore connection	N/A
Oily Bilge water discharge shore connection	yes
Transfer system/Prepared for Transfer system [yes/No] & [Type]	
<b>NAVIGATIONAL EQUIPMENT &amp; COMMS.</b>	<b>Details</b>
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]	No
Automatic identification system (AIS) class A [Yes/No]	NO
Updated nautical paper charts for the operational area and electronic chart display approved by authorities. [Yes/No]	Yes

Propeller RPM or thrust indicator [Yes/No]	Yes
Rudder angle indicator (or direction of steering thrust) [Yes/No]	No
GHz Radar with plotting function [Yes/No]	NO
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]	NO
A fixed mounted magnetic compass, properly adjusted with deviation table [Yes/No]	Portable
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
<b>ACCOMMODATION ARRANGEMENT</b>	<b>Details</b>
Seating (number, recline, suspended, fixed)	4
Storage	1
Mess/Pantry and toilet/shower	0
Dry baggage storage	
Wet changing room	Nil
Storage for sensitive WTG spare parts	Storage room
Comfort levels, Noise levels	
HVAC	NO

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<b>FIRE FIGHTING APPLIANCES</b>	<b>Details</b>
Fixed fire extinguishing system	0
Portable extinguishers	3
Fire pump(s)	0
Fire Hoses	0
Fire Blanket(s)	0
Other	
<b>LIFE SAVING APPLIANCES &amp; RESCUE EQUIPMENT</b>	<b>Details</b>
Liferafts(number, position, total persons accommodated)	1 Pcs/ 4
Immersion suits (number)	4
Thermal Protective aids (number)	0
Life jackets (number)	4
Life Buoys (number)	3
Man Over Board Equipment	0
Search Lights (Number, remotely operated, portable)	1
Defibrillator [yes/No]	No
<b>ADDITIONAL FEATURES/REMARKS</b>	<b>Details</b>
Vessel Motion Monitoring System	-
CCTV monitoring and recording of operations	-
Other	-