



Vessel Specification

Merkkari



Description	Details
MAIN PARTICULARS	
Company/Owner	Finnish Sea Service Oy
Vessel name	Merkkari
Vessel type [CAT, MonoHull MH, Trimaran Tri, SWATH, other]	Monohull, Work Boat
No. of crew	2
No. of PAX	10
Flag state & certification	Finland 445102
Classification Society & Notation(s)	Cargo ship/ Workboat, Sea area 3
Builder/Yard/number	TBA
Hull material	Steel
Year of Build	1980
Length Over All (LOA) [m]	14,4
Length between perpendiculars (Lbp) hull [m]	14,2
Beam over all [m]	3.50
Extreme draught [m]	2.20
Operational Draught [m]	2,0
Minimum operational water level below keel [m]	0,30
Freeboard height @ midship [m]	0,50
Bow Height [m] @ transfer point	1,60
Light ship displacement [tonnes]	42
Design condition displacement [tonnes]	N/A
Max. dead weight displacement [tonnes]	NA
Fresh water capacity [litres]	200
Fuel transfer capability [yes/no]	NO
Fuel Capacity [litres]	6000
OPERATIONAL PARTICULARS	
Service speed [knots]@ seastate 2	7
Max. speed [knots]@ seastate 2	9

Service speed versus Sea state limitation. [kn @ 1.5m Hs] (Company policy)	Company policy
Max. speed v. Sea state limitation. [kn @ 1.5 Hs] (company policy)	Company policy
Classification info. Society, notation operation limits. [kn@Hs]	N/A
Operational hours restriction if any [hours]	nil
Bollard push [tonnes]	4 Mt
Bollard push to displacement ratio [BP tonnes/ Displacement tonnes]	NA
Transfer Operation limit [Hs] and corresponding wave direction to the vessels (eg. 1.5m @head	Hs > 2,5 m
MACHINERY PARTICULARS	
Engine manufacturer/Engine type	Scania
Number of engines installed.	2
Total Installed power [kW]	300Kw
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 @ seastate 2	85 %
Engine load @ Max. speed @ seastate 2	100 %
Fuel consumption [litres/h] @ service speed @ seastate 2	80 Ltrs
Fuel consumption [litres/h] @ Max. speed @ seastate 2	200 Lrt
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]	

DECK ARRANGMENTS & EQUIPEMENT	Details
Crane [yes/no]	Yes
Crane specification if any.	HIAP 2.5 Mt
Container position [yes/no]	No
Container position details. [no. aft, no. fore]	NA
HP washer	Nil
CARGO capacity total [t]	2.5 Mt
Cargo capacity fore deck[t]	2.5 mt
Cargo Capacity aft deck [t]	0 Mt
Specific deck load [t/m^2]	NA
Free Deck Space fore deck[m^2]	5m2
Free deck space aft deck [m^2]	0
Sewage discharge shore connection	discharging by vacuum suction from quay side
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]	Yes
The vessel must at least be equipped with GPS [Yes/No]	Yes
The vessel must at least be equipped with NAVTEX [Yes/No]	NO
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]	Yes

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]	YES
GHz Radar with plotting function [Yes/No]	2X 3 cmYes
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]	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)	12
Storage	1
Mess/Pantry and toilet/shower	1
Dry baggage storage	1
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	1
Portable extinguishers	6
Fire pump(s)	1
Fire Hoses	1
Fire Blanket(s)	1
Other	
LIFE SAVING APPLIANCES & RESCUE EQUIPMENT	Details
Liferafts(number, position, total persons accommodated)	2 pcs, 6 persons
Immersion suits (number)	12
Thermal Protective aids (number)	-
Life jackets (number)	12
Life Buoys (number)	3
Man Over Board Equipment	0
Search Lights (Number, remotely operated, portable)	2
Defibrillator [yes/No]	No
ADDITIONAL FEATURES/REMARKS	Details
Vessel Motion Monitoring System	-
CCTV monitoring and recording of operations	-
Other	-