

Amel Maramu 46,

Serial Number 90

Manufacture date 1981

This sailboat has been entirely restored / renovated in 2019 in prevision for our trip, others maintenance works and upgrades have been done since.

Here is a recapitulative list for the jobs done and equipment's installed onboard:

Rigging and sails:

New sails in 2019:

1 Genoa

1 Main sail

1 Mizzen sail

1 Stay Sail (50% surface of the Genoa)

1 Storm Sail

2 Lazybags

The complete Rigging has been replaced by new in 2019

The complete Ropes set has been replaced by new in 2019 (halyards, sheets, Wang ...)

New Selden genoa Furler has been installed in 2019

Additional sails:

1 Storm sail (revised in 2019)

1 Ballooner, very good conditions, bought new never used in 2019, used only from the Canaries To Cap verde and during the Atlantic Crossing. The ballooner is a downwind sail that you pullup with the genoa and make like a big spinnaker. Very efficient and balanced (you can see it on pictures)

1 Genoa (2004), used condition

1 Mizzen sail (the one from the origin), good condition

Other informations about the sails, the Mizzen and Main sails are installed with Frederiksen Ballslides, and all the Delron balls have been replaced in 2019.

During the refit in 2019, the 2 masts have been removed for inspection, cleaning, all the electrical cables and wires have been replaced, all the pulleys too. New head lights have been installed and all the rivets of the masts steps replaced.

The boat is equipped with the Amel Poles system, which is 2 small poles et 2 long poles that allows and easy maneuvering of the poles during sailing.

Sails, rigging, removal/installation of the masts have been done by a professional company, and this same company did a control check in 2021 of the tensions (on the rigging wires) when we go down out of the Mediterranean Sea.

Engine:

The engine installed on board is a Vetus 75 HP (2.5 Liters Diesel) bought to a professional company specialist in the engine restoration. The engine has been installed in 2019. This engine was provided with the following equipments:

Gearbox (refitted)

Starter (new)

Alternator 70A (new)

Sea water pump (new)

Engine water pump (new)

All the engine compartment and the others accessories in there have been replaced (2019):

- Volvo seal
- Hydrolube bearing
- Engine dampers
- Sea water filter
- Heat exchanger and pipes (2021)
- Engine battery 12V
- Bidge pump
- Propeller shaft connection to the gearbox (system Vetus)
- Exhaust system and pipe Vetus
- Exhaust temperature probe Vetus
- Fuel filter system and water drain system + pipes
- Phonic insulation
- All the Trough hull port have been replaced

The outboard engine for the dinghy is a Nissan Marine 2 strokes 18HP, bought new in April 2022

The dinghy is a solid plywood and fiberglass construction (homemade) which allows us (2 peoples) with all the diving equipment's to plane at 18knt.

Potable water system:

Work in 2019:

All the pipes of the potable water system have been replaced, with specific water pipes (food application certified)

All the hot water system pipes have been replaced too.

All the taps have been replaced (kitchen and 2 bathrooms)

Hot water boiler, warm by engine water or electrical with the onboard 220V system

List of other accesories or modification done on this system:

Water pump 12V 3Bars.

Water manifolds

Filters 5 microns and Charcoal system installed, they are filtering the water out of the tank

2 UV lamps for water treatment, they kill all the bacterias which would try to grow in the water tank

Internal Epoxy (food approved) coating renew, we use the same product that Amel Manufacturer use for the actual boats water tank coating. (Water tank is 1000L)

All the “used water” pipes have been replaced, the trough hull to.

Works done in 2022:

Installation of a watermaker 60Liters per hour, working on 12V, Membranes are new,

Installation of a low pressure sea water system with filters and electrical booster pump 12V jabsco (sea water is available in the kitchen too)

Electrical system 12V and 220V:

In 2019:

All the electrical wires on the boat have been replaced, because of the age of the original ones could give some problems (40 years old) and also because we use oversized wire to reduce the loose of power in the cables. We redesign the complete distribution and schematic of the electrical power on the boat, for a simple, easy to use and fix problems, reliable and safe system.

All the connectors, fuses supports and connections have been done.

Installed on board (2019):

3 Solar panels 150W (each) total 450W

1 Solar charger MPPT Victron 75/30

1 Isolation transformer Victron (very usefull in marina's it avoid earth connection problems and secure the boat electrical system)

1 Charger Inverter Victron Quattro 12V 3000W 120A

1 Battery monitor Victron BMV700 (Bluetooth connection installed)

1 Propeller shaft generator with permanent magnet installed, Bought in the US to Missouri Wind and Solar company, 1500W of max power, treated for sea conditions (against the salt atmosphere)

1 Charger MPPT Flexmax 120V 80A, this one is dedicated for the Shaft Generator

Refit of the windlass (Lofrans Tigre)

1 Fridge 135L 220V

1 Freezer 35L 220V

Installed on board (2021)

Installation of a refitted Marine Generator, Fisher Panda 4800.

Many parts are new on this generator, which work perfectly. (all the head gasket and cylinder, piston, piston rings, Starter, Sea water pump, engine water pump)

Insulation has been done to make a “silent” generator compartment.

Installed on board in 2022:

2 Lithium batteries Lifepo4 12V 200Ah (each) (total 400Ah) with integrated BMS (Bluetooth connection)

Navigation system:

The all system is on the NMEA 2000 Standard, Simrad is the main system equipment on this boat:

12 Inch Chart Plotter NSS12 Simrad

1 Caribbean Sea map, Navionics, new from 2022, with free update available until next Feb 2023

1 Automatic pilot controller Simrad AP24

1 rudder position sensor Simrad

1 Automatic pilot Navico RD1

1 Automatic pilot Raymarine Type 2S (installed for emergency if the main one goes off)

1 Automatic pilot controller Simrad AC42

1 wind vane Simrad

1 Weather Rader 3G Simrad

1 Depth transmitter Raymarine

1 Depth transmitter Simrad

1 fishing Sonar Simrad BSM-1

1 AIS Emitter/receiver Class B Camino 108 and dedicated High gain Antenna

1 Inertial sensor box Simrad

1 VHF Navicom RT 550 AIS (connected to the gps position)

1 GPS Samyung N-430

1 NASA HF Receiver for weather fax, navtex etc ...

1 Portable VHF

Safety equipments:

1 EPIRB new from 2021, coded with the MMSI number of the boat.

1 life raft 6 people Lalizas (new from 2019)

Flares, red smoke bottles etc...

Life lines are installed on the deck

4 safety jackets (adults) inflatables

Other little equipment's too.

Others equipments or work done on the boat:

New Paint in 2019

New antifouling in October 2022

Lateral Plexiglas windows and windscreens have been replaced in 2021

2 Jabsco manual toilets (2022), it's possible to installed 1 eletrical in the aft bathroom, the wires and switch are already installed.

80m Marine Stainless Steel chain

1 Spade Anchor (2021)

1 spare anchor

Solar supports and Dinghy cranes (don't know the exact name of it in English) Marine Grade Stainless steel

All the original specific safety equipments of the boat are on board, the emergency control bar, the antiroll system for the beds, the locking system for the forward door in case of bug damage on the front etc

Cooking gas kitchen 3 fires and oven (on gaz)

3 bottles of gaz

Some Defences, ropes and stuff

New anodes (October 2022)

Certainly some other details or job have been done on this boat and are not listed.

We had no problems at all since we left France in Summer 2021, and after all this miles done, it's really a reliable boat and we have safe feeling to sail on board. The central cockpit is a real advantage for that, and also a nice place to have good time at the anchorage for dinner or a drink.

Don't hesitate to contact me if you need more information's or if you have any questions.

Best regards

Laurent

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