

# Amel 46 Minerva

## SPECS

Length: 46 ft on deck. Measured 49'10" at Panama Canal  
Beam: 13'2"  
Main mast Isomat double spreader, height w/ antennae, from waterline: 54'3"  
Mizzen mast Isomat, single spreader, height, from waterline: 41'6"  
Draft: 6'3"  
Net weight: 16 tons Gross: 18 tons  
Tankage: water 1000 liters (264gal) Fuel: 500 liters (132gal)  
Engine: Perkins 4.154 60hp #GA0027ON44135J, 771 hours  
Transmission: Borg Warner  
Hull #135, year commissioned 1983

## SPARES:

Balmer 120 Amp alternator  
Perkins fuel injection pump  
(3) Jabsco raw water pumps, plus kits  
Jabsco reciprocating bilge pump  
Henderson manual bilge pump w/ gasket kit(s)  
Amel hallway main switch cut off  
Engine boots and elbows  
Impellers

## ELECTRONICS & EQUIPMENT:

(6) 95 amp deep cycle batteries  
Vetus bow thruster spare prop, parts  
105 amp AGM battery for thruster  
Reckmann jib furler, **new** rod and foils  
Lofrans Tigres windlass  
  
ICOM 710 SSB  
Raytheon radar  
VHF  
Ray Marine (Ratheon) 6000 auto pilot  
Ray Marine depth sounder, wind speed & direction  
B&B second depth sounder  
Revere Oceanmaster 4-person offshore commercial  
liferaft, needs recertification  
406 McMurdo worldwide satellite EPIRB  
Handheld waterproof VHF  
Clarion stereo system, custom speakers  
DVD player and screen  
Village Marine Tec "Little Wonder" 8gph watermaker  
Hamilton-Ferris wind generator, mizzen mounted.  
Spare blade and motor.  
Sharp solar panels, (2) 80 watt, mounted atop dodger  
Turnbuckle for swing-away inner forestay  
Bosun's chair  
(6) Class 1 offshore PFD's, several w/lights & whistles  
3 chart books, Chesapeake, Florida, Maine  
(4) 3/4 inch Lewmar snap blocks  
(2) 3/4 inch Ocean snap blocks  
Several smaller blocks  
Custom-made "wave" design runner and galley rugs for saloon  
100s of paper charts worldwide, will sell selectively

## SAIL INVENTORY

Main, Ullman, Excellent+ condition  
Mizzen, Ullman, Excellent  
Jib, 120, North, Good  
Mizzen Staysail, Good--  
Storm Jib, 121sqft, Excellent  
Trysail, 45sqft, Excellent  
Asymmetrical Spinnaker, Good but has stains  
Spare Main, Fair  
Spare Jib, Fair

## LINES

(2) 50ft 1/2" T-900 with Tylaska shackles  
(2) 75ft 1/2" double braid with shackles  
(1) 155ft 1/2" double braid  
  
(1) 150ft 1/2" T-900  
(1) 150ft 3/4" 3-strand (new)  
Length of S/S cable  
Various smaller diameter and lengths

## OTHER

(4) cockpit cushions match sail covers  
New latex cushions in saloon  
New upholstery, saloon cushions  
Pillows co-ordinate w/saloon upholstery  
AB w/aluminum bottom 9-1/2ft  
Yamaha 8hp  
Spinnaker pole  
  
42" bolt cutters—sell separately  
Felco 12mm stainless cable cutter  
will sell separately  
Sextant, case & books--separately \$700

**Extensive Refit** after 2010-2013 Circumnavigation, 14 months in yard and additional later work done:

**Toerails:** S/S pulpit and railings removed. Toe sanded primed Awlgripped. Reinstalled with new bolts/nuts

**Hull** paint stripped by hand, hull sanded, 545 primed, Awlfaired, 545 add'l primed, Awlgripped.

**Bottom:** paint stripped/ sanded by hand, epoxy-faired as needed, Interlux primed and ablative painted.

**Main mast:** New Isomat double-spreader mast and deck lights. New shrouds and backstay.

**Furler:** Reckmman furler removed, serviced; new rod forestay; new Reckmman foils.

**Decks:** side decks and cockpit floor stripped, sanded, primed Awlgripped, Griptexed

**Engine:** Perkins 4.154 with 7114 hrs removed and shop disassembled. Reassembled with OEM Perkins parts: New: bearings, camshaft, sleeves, pistons, rings, rods, water pump, fuel pump, fuel injection pump, raw water pump, Balmer alternator, head milled, new Amel OEM engine mounts, transmission rebuilt, Blue silicone hoses used throughout where appropriate.

**Engine room** cleaned, sanded, primed, Awlgripped.

New Vetus **Shaft flex coupling**.

**Batteries:** (6) new for house, (1) new AGM for bow thruster.

**Water tanks:** interiors stripped, sanded, primed and Awlgripped.

**SSB:** New 2 inch, thick copper strap bolted to deep keel bolt, re-attached to SSB grounding system.

**Floors** and floor panels sanded, Schooner varnished. Table and leaves sanded, re-varnished.

**Toilets:** new units installed in fore and aft heads. Silicone hoses.

**Saloon cushions:** new latex foam. Saloon and cockpit cushion covers & custom rugs washed/ cleaned.

**Sails:** new Mizzen sail built by Ullman in Cape Town, South Africa. Sailed up South Atlantic with it. New 10oz Mainsail, built also in S.A., shipped later to Raleigh, NC.

**Propane:** new regulator, solenoid, and pilot light switch in galley. Locker sanded, primed, Awlgripped.

New **Halyards** for jib and cruising spinnaker. New 3/4 inch double braid dock lines and other lines

**Canvas:** new Sunbrella sail covers for: mizzen, mainsail; and new cockpit bimini.

New **navigation station** GPS installed. New switches on elec panel. New Ray Marine instruments.

Cushioning for pot storage spaces under sink. (4) new PFDs. 20ft 3/8" S/S chain for locking dinghy.