

S.V. Syzygy

The Basics:

Make:	Valiant 40
Style	Cutter rigged sloop
Designer:	Bob Perry
Builder:	Uniflite
Year:	1978
Hull Material:	Fiberglass
Deck Material:	Fiberglass/balsa

Dimensions		
LOA	40 ft	(12.9 m)
LWL	34.5 ft	(10.5 m)
Beam	12.5 ft	(3.8 m)
Maximum Draft	6.0 ft	(1.8 m)
Displacement	22500 lbs	(10,200 kg)
Keel/Ballast	7700 lbs	(3,500 kg)

Contact information of seller:	Jonathon Haradon jonharadon@syzygysailing.com
Main website	http://www.syzygysailing.com/
Website detailing all upgrades to Syzygy over last four years	http://mattholmes.com/blog/ (links throughout the document will go to pages within this site)
Photographs of particular interest to potential buyers	http://www.flickr.com/photos/jonharadon/sets/72157626100678683/
Location:	East Coast Marina, Manly, Australia (just outside of Brisbane)
Asking price:	\$125,000 AUD

Executive Summary:

World-renowned boat designer Bob Perry created the Valiant 40, which soon came to be widely regarded as a ground-breaking design for blue-water cruising. The performance cruiser, with a modified three-quarters keel, skeg-hung rudder, sails superbly in light or heavy air. Perry designed her for cruising, and she boasts ample storage space, is well-balanced, points well, and gives the crew exceptional comfort in the full range of sailing conditions faced while cruising around the world.

During the last four years, Syzygy has been the beneficiary of an incredible, systematic upgrade and overhaul. Every system was addressed with painstaking care for the highest quality, finest attention to detail, and with a mind towards the utmost standard of safety and ease of cruising life. Nearly 50,000 dollars later (not including labor), Syzygy is in excellent condition for live-aboard cruising. The maintenance and upgrades have been rigorously documented for your benefit and examination. The upgrades listed in this document, while the most important, are a fraction of the work undertaken to make Syzygy the perfect blue-water cruising yacht.

Syzygy has been actively cruising for the past two years, including a Pacific crossing, and is truly ready to leave the docks tomorrow for whatever lands you wish. With a mini-refit just completed, including new bottom paint, topsides buff and cut, the brightwork re-varnished, new clears installed around dodger, and portlights resealed and painted, she is in pristine condition. Contact me today to learn more, see Syzygy in person, or arrange a sea trial.

The Systems:

The Engine

Engine	1978 Perkins 4108
Engine hours	(previous owners did not keep track of hours but guessed 5,000) We have recorded 600 hours since taking ownership in December 2007.
Horsepower	40 hp
Fuel Type & Capacity	Diesel, 79 gallons (300 liters) with 15 gal (57 liters) jerry can capacity
Drive System	Walters-Paragon automatic transmission with v-drive
Recent Noteworthy Upgrades	<p>2008 Engine exhaust thru-hull raised above waterline</p> <p>2009 Speedseal cover added to raw water pump and raw water hoses replaced Injectors rebuilt and valves adjusted New coolant water pump installed Coolant hoses and engine exhaust fittings replaced Installed oil transfer pump Installed new heat exchanger Replaced thermostat and replaced transmission oil cooler & hoses</p> <p>2010 Duel primary fuel filter system installed Replaced gauge senders</p>

Sails and Rigging

Rigging Type	Sloop – Cutter Rig with removable inner forestay
Standing Rigging:	Rig completely replaced in 2008 using Norseman fittings, with exception of rod backstay. Chainplates replaced in 2010. Forestay, Upper Shrouds: 3/8" wire Lower Shrouds, Inner Forestay, Intermediate Backstays: 5/16" wire Backstay: Rod, installed 2005 Inner forestay has quick-release lever for easy stowage
Sails	Fully-battened main, Genoa, Staysail, Storm Staysail, 150% Drifter w/ sock, Spinnaker w/ sock, Storm Trysail on separate track
Sail Condition	Like new: Drifter, Spinnaker, Storm Jib, Trysail Used with plenty of life: Main, Genoa Well used but still kicking: Staysail
Furler	Genoa on a manual Pro-furl furler
Poles	Spinnaker pole: 19 ft
Recent Noteworthy Upgrades	<p>2008 All new wire rigging (except backstay) with new Norse fittings and turnbuckles Profurl furler serviced</p> <p>2010 New drifter made, 1.5 oz nylon Replaced chainplates</p>

The Electrical System

Batteries	1 starter battery 4 battery house bank: Rolls-Surette S460 (6V 360 Amp-hour) Total House Bank: 720 Amp-hour
DC Power	12 Volt powers all electronics and lighting 1 12 Volt cigarette lighter outlet at nav table, one at companionway
Lighting	Majority of lighting provided by 6 high efficiency Alpen-glow lights, dual white fluorescent and red LED
AC power	110 Volt / 60 Hz 5 GFCI protected outlets throughout the boat
Shore power	Yes
Charging	Quad-Cycle 4-stage alternator regulator, xantrex echo charger for starter battery, BlueSky 3021 MPPT charger for solar panels, Xantrex Freedom Marine 20 for shore power charging
Battery monitor	Yes, Xantrex LinkLite battery monitor
Inverter/charger	Yes, Xantrax Freedom Marine 20: 2000W & 4-stage charger
Transformer	Seven Star ATVR-5000 Watt Step-up and Step Down Transformer
Battery Charger	SCA 16 Amp battery charger
Recent Noteworthy Upgrades	<p>(Below is only a partial list of major upgrades. It is no exaggeration to say over 90% of the entire wiring on Syzygy, no matter how nominal or short a run, has been replaced in the course of upgrades over the last 4 years.)</p> <p>2008 GFCI electrical outlets installed New starting battery and battery box installed All mast wiring replaced Underwater zinc installation revamped</p> <p>2009 House battery bank replaced and capacity increased Replaced engine key switch and push button start Rebuilt and Rewired main electrical panel</p>

Power Generation

Solar	360W: 2 new 180 Watt panels with Blue Sky 3021 MPPT controller
Wind	Kiss Generator (only 5 years old)
Tow	Tow Generator
Recent Noteworthy Upgrades	<p>2009 2 new 180 Watt solar panels and Blue Sky controller installed KISS generator installed</p>

Electronics and Instrumentation

Radios	1 VHF Standard Horizon Titan 2 handheld VHF's	
SSB	Yes, Kenwood TKM-707	
AIS	Yes, Nauticast B, Class B Transponder (receive and transmit)	
Radar	Yes, Furuno	
Auto Pilot	2, both Autohelm 3000, recently rebuilt	
Stereo	Yes, UBL Marine Has ipod stereo input and is Sirius compatible 4 high-quality speakers: two 6" Rockford fosgate ovals in the cabin, two 6.5" polk speakers in cockpit	
Cockpit Gauge Panels	Panel 1: Depth sounder Apparent wind Speed	Panel 2: Tachometer Oil pressure Vacuum gauge Engine temperature (new)
Binnacle mounted	Large compass. USB power outlet and mount for hand-held Garmin GPS	
Refrigeration gauges	Icebox thermometer and compressor hours meter mounted external to icebox	
Recent Noteworthy Upgrades	2008: New stereo installed 2010: New fore and aft speakers Radar installed 2011: Splash panel for engine room electronics installed	

Refrigeration

Refrigerator	Yes, entire refrigeration system redone in 2009, including rebuilt box with 4" insulation (6" on bottom). Air cooled system. Water cooling capability (but not currently assembled)
Freezer	No
Recent Noteworthy Upgrades	2009 Old icebox ripped out. Insulation installed, doubling previous thickness. New compressor built New refrigerant lines and wiring (and final summary of refrigeration project)

Plumbing and Water System

Seacocks: 5	Two seacocks in head Two seacocks in galley under sink One seacock in engine room
Other below water line through-hulls:	Two in bilge: Transducer and Speedo
Water tank storage	150 gallons (570 liters) and 28 gallons (106 liters) in jerry cans on deck
Watermaker	Village marine-tec "little wonder"
Shower	Drain plumbing installed. No water line installed.
Toilet	Yes, Lavac toilet
Holding Tank	Yes, 15 gallons (57 L)
Recent Noteworthy Upgrades	<p>2008 New water tanks constructed All five seacocks replaced and re-installed with proper backing plates Lavac toilet installed and all plumbing replaced Replaced every bilge hose and scupper line</p> <p>2009 Added second foot pump in galley for sea water</p>

Deck and Deck Hardware

Winches	On cockpit: 2 Lewmar 48's in cockpit On cabin top: 2 Lewmar 42's, 1 Lewmar 40, 1 Lewmar 32 On boom: Lewmar Single Speed 8
Anchor Windlass	Yes, manual
Deck Surface	Fiberglass with Kiwi-grip non-skid
Recent Noteworthy Upgrades	<p>2008 2 new 4-up clutches , 2 new 2-up clutches, and deck fairleads installed Added backing plates to dodger, bow pulpit, staysail halyard block</p> <p>2009 Jib turning blocks rewelded for additional strength Re-bedded staysail car tracks Re-bedded: stanchions and bow pulpit, pushpit and aft cleats, dorade boxes Added amidships cleats Replaced Jib-car tracks and large portion of deck underneath Installed dingy cradle on deck New propane locker installed Installed new radar arch Deck resurfaced with non-skid</p> <p>2010 Knees re-fiberglassed to hull</p>

Accommodation Description

Total Berths: 7	Forward V-berth (accommodates 2) Salon port side extends to form twin bunk (accommodates 2) Salon starboard side (accommodates 1) Quarter-berth (accommodates 2)
Interior Description:	The forward V-berth makes into a double bunk with cabinets on the sides and storage underneath, chain locker access. Aft on the port side is the head with foot-pumped water to sink, vanity and mirror, stall shower and manual Lavac head. Across from head to starboard are two large lockers. Main Salon is aft of the V-Berth and head with settees on both port and starboard sides. Outboard of the settees are cabinets and bookshelves. Salon has newly built, drop leaf table, folding up for maximum lounging space. Aft of the main salon on the port side is a U-shaped galley that consists of a 4-burner propane stove with oven, cabinets and drawers, refrigeration, and double stainless steel sinks. Fresh water and sea water is from foot-pumps. Opposite the galley on the starboard side is a nav station and electronics. Aft of the galley is a quarter berth, with copious storage space underneath. Aft of the nav station on the starboard side are three lockers. Access to the engine compartment is under the stairway to the cockpit, and via two hatches in quarterberth. Engine room is large, with easy access to all sides of engine and ability to comfortably sit down in engine room.
Headroom	6 ft 3 inches (1.9 m)
Floors	Holly and teak throughout, recently refurbished
Hot Water System	No
Pressurized Water	No
Shower	No
Toilet	Yes, Lavac toilet
Holding Tank	Yes, 15 gallons (57 L)
Refrigerator	Yes, 7.2 cubic feet (204 L)
Freezer	No
Stove Type	4 –burner, gas, on gimballed mount
Oven	Yes
Propane Capacity	2 five gallon (20lb) propane gas cylinders stored in aft cockpit locker. Have propane lines for attachment to Australian propane fittings.
BBQ Grill	Yes
Heating	Diesel heater with ducting throughout vessel
Fans	6 total: 2 new Camfrano fans. 4 Hella Turbo fans.
Recent Noteworthy Upgrades	<p>2008 New cushions and upholstery purchased for entire boat</p> <p>2009 Lavac toilet installed Salon table converted from fixed design to fold-up Salon port side bunk extension created</p> <p>2010 5 large port lights added New propane locker fabricated Floors re-varnished</p>

Other

Self-steering	Monitor Windvane: recently rebuilt, Autohelm 3000 cockpit autopilot
Dinghy	Avon 10: inflatable, soft-bottom, with wooden inserts for floor
Outboard Engine	Mariner 5 hp
Life Raft	Yes, Plastimo offshore
Safety Equipment	4 safety harness inflatable life jackets, 4 other life jackets, Life-sling system, Horse shoe throwable device, flares and flare gun, AIS navigation, 5 fire extinguishers, carbon monoxide detector, SPOT Satellite Personal Tracker, AutoTether Alarm System
Drogue	Yes, Jordan Series Drogue
Bilge Pumps	3: 1 Rule 5000 Electric. 1 Manual Pump in cockpit. 1 Manual pump in bilge
Mast-steps	Yes, custom designed for maximum functionality and minimum rope snag
Anchors	66 lb. (30 kg) Lewmar bruce-style forged (on the bow) with 250 ft (76 m) chain 45 lb. (20 kg) cqr 44 lb. (20 kg) danforth 75 lb. (34 kg) fisherman storm anchor
Noteworthy spares	Brand new fresh water pump for Perkins 4108 engine Alternator, 2 impellers, 2 thermostats
Parts and extras	All kitchen and cooking equipment All parts and spares are included in price encompassing: Ten organized trays of fasteners: bolts, screws, nuts, washers, etc. Nine 4-gallon bins of spare parts: plumbing, engine parts, wire and electrical, through-hulls, rebuild kits for: Monitor, bilge pumps, etc. Thousands of feet of spare line Four large bins of chemicals, finishes, adhesives, etc. Six 4 liter containers of engine oil, four 4 L containers of engine coolant DIY Refrigeration tools, including vacuum pump, gauge set, spare refrigerant SCUBA equipment: 4 tanks, 3 vests, 2 octopus, weights Extensive library of sailing books, cruising guides, and many of the highly regarded maintenance books 1 spear gun Inflatable 2 person kayak 2 machetes. Hell yea, ward off those pirates.
Tools Included	10 well organized bins of sockets, wrenches, screwdrivers, cutting implements, sawing implements, clamps, tape, sanding devices, soldering iron, massive amounts of spare electrical wire, terminals, heat-shrink Power tools included: 4" grinder, variable speed grinder, circular saw, jig saw, orbital sander, belt sander, portable drill, heat gun, shop-vac
Recent Noteworthy Upgrades	2009 Mast steps installed Monitor wind-vane rebuilt 2010 Jordan Series Drogue purchased 2011 Outboard purchased