



ASSOCIAÇÃO BRASILEIRA DE VELEIROS DE OCEANO

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Boat:		Stability	
Name:	VESPER IV	SSS Number:	24
Sail Number:	BRA2447	STIX:	N/A
Cert No	41023	AVS:	N/A
TCC:	1.230	ISO/IRC Design Category:	N/A
Crew No.:	10	WS Plan Review:	
	(850 kg)		
		ONE-DESIGN	

General Details		Series Date: 2008	Hull Factor: 13.0
Design:	SOTO S40 2.60	Age Date: OD	Rig Factor: 1.037
Type:	Bermudian Sloop		
Issue:	REVALIDATION		
Notes:	Weight: Class Rule minimum weight to be confirmed by IRC weighing.		
Notes:			

Hull	Overhangs	Rig & Mainsail	Headsail	Mizzen	Spinnaker
LH: 12.32	BO: 0.02	P: 16.10	HSA: 40.72	PY: 0.00	SPA: 182.82
LWP: 11.85	x: 0.01	E: 5.70	HLUmax 15.97	EY: 0.00	STL: 7.33
Hull Beam: 3.75	h: 0.01	J: 4.85	HLU*: 15.97	LLY: 0.00	SLU*: 20.57
Boat Weight: 4290	SO: 0.45	FL: 16.81	HLP*: 4.94	LPY: 0.00	SLE*: 17.38
DLR: 85	y: 0.04	MUW: 2.01	HHW*: 2.58		SFL*: 11.6
Draft: 2.6		MTW: 2.75	HTW*: 1.35		SHW*: 11.61
Bulb weight: 1830		MHW: 3.92	HUW*: 0.71		

* For information only

Detail	No Spinnaker TCC: 1.191
Low vcg hollow steel+bulb keel	Multiple headsails permitted
No wing keel	Maximum number of spinnakers carried: 3
Inboard engine : Weight 158kg	Bowsprit only, NO poles
2 blade folding/feathering propeller	2 Spreader/Jumper (sets)
Internal ballast 0 kg	1 Aft Rigging (Sets)
Weight includes batteries/cushions	Carbon Mast
World Sailing OSR compliant lifelines fitted	Composite standing rigging
Manual power only for running rigging	HSA=0.0625*HLU*(4*HLP+6*HHW+3*HTW+2*HUW+0.09)
No variable/moveable ballast carried	SPA=((SLU+SLE)/2)*((SFL+(4*SHW))/5)*0.83
Mast foot/forestay not adjusted while racing	

Certificate issued by the IRC Rating Authority and VALID from 02 Mar 2020 19:38:29
 Expires 31 Dec 2020 unless superseded or invalidated by IRC Rules and Regulations
 I accept the dimensions shown on this certificate and agree to report all subsequent changes and any errors found at a later date to the issuing Authority

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