

UNION SCHWEIZERISCHER YACHTCLUBS

Eignerwechsel

für das Boot
 pour le yacht
 Klasse 5.5m SJ
 Classe
 Segel-Nr. Z 107
 No de voile
 bisheriger Bootsname "Nemesis"
 ancien nom du yacht
 neuer Bootsname "Nemesis"
 nouveau nom de yacht
 Baujahr 1967
 Année de constr.
 Bauwerft H. Egger, St. Aubin
 Chantier

Nur gültig mit Registrierstempel der USY
 Valable seulement avec timbre d'enregistrement de l'USY

UNION SUISSE DU YACHTING

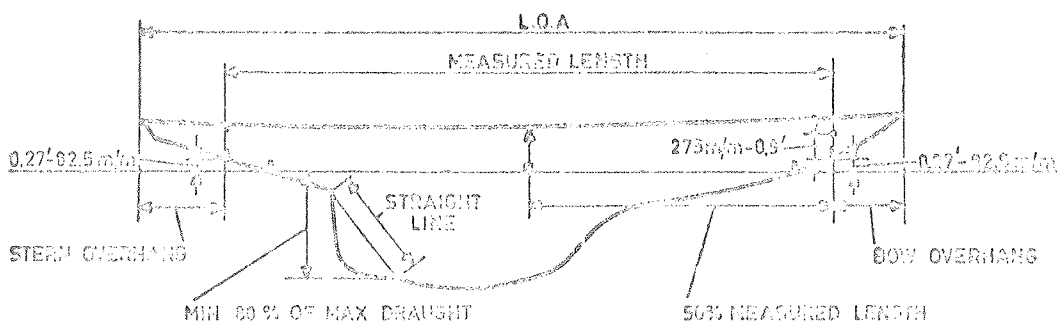
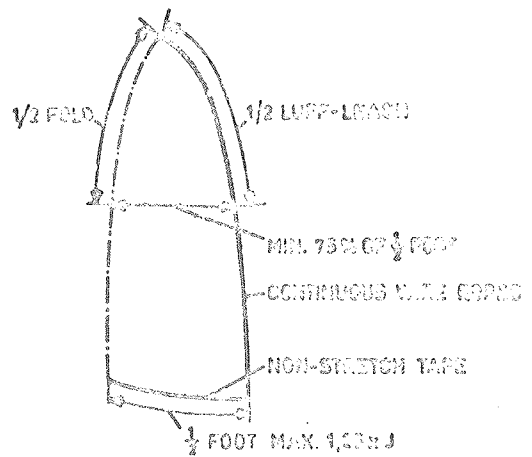
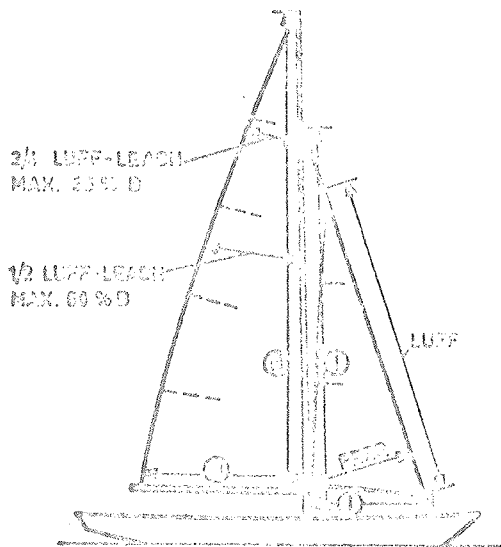
Changement de propriétaire

Neuer Eigner
 Nouveau propriétaire
 Name Dr. H. Aepli
 Nom
 Club YCRapperswil
 Adresse Uerikon
 Seestr.
 Datum 22.8.73
 Date
 Der Vermesser
 Le jaugeur

USY-Verm.
O. Weber
 CH-8802 Kirchberg/ZH
 Im USY-Register
 eingetragen am
 3. OKT. 1973
 12. 24. 9. 73

THE INTERNATIONAL LIGHTNING CLASS CERTIFICATE OF RATING

Yacht's name NEEROSIS	Classification society Bureau Veritas
Permanent sail number U.S. 75 2107	Expiration date of classification certificate 12 May 1973
Owner V.F. Sherman & R.E. Tinsley	Measurements or partial remeasurements by N.A. Measurer, signature & date 12 May 1973 USY-Verm.
Owner's club Amherst	O. Weber
Designer Chance	CH-8802 Kilchberg/ZH
Builder Egger	
Date completed 1967	
Condition of water when marks were sighted	
State fresh or salt fresh	
Difference in immersion (class rule 5)	(metres)
Has designer's or builder's declaration been furnished	
I declare that the particulars given on this certificate are correct at this date	Expiration date of rating certificate 19 Aug 1973
Signature of designer or builder	
Signature of owner or his representative <i>V.F. Sherman</i>	Re-rated 19.8.1975
(The designer or builder is only responsible for measurements at the date they are taken)	
Certificate authorized by <i>[Signature]</i>	for (National Authority)



RULE PARTICULARS

	Actual ^{x)}	Rule limits	Rule No.
HULL			
Immersion checked in salt/fresh water	19 Aug 71 date		5;27
Weight of inside ballast placed at <u>60%</u>		xx)	6;33
Beam	1.961	min. 1.90m or 6.23 ft.	7;9
Draft	1.350	max. 1.35m or 4.43ft.	7
Freeboard at bow girth station	.713		
" at stern girth station	.601		
" at midship mark	.575		
" average	.630	min. 0.63m or 2.06ft.	
Keel, ballast material	LEAD	lead or iron	10
" ht. of round at bottom	.500	max. 75mm, or 3 in.	10
" width at max. section 1 metre below L.W.L.	.155	min. 150mm, or 5.9in.	10
Stern angle	>10.55	min. 1 in 5.5	12
Round of beams	Nil.	max. 7mm, in 305mm.	13
Tumble home	.35	or 00.25in, in 12in.	14
2% of max. beam	.38		
Excess tumble home	subtract →	3 x excess added to rating	14
Area of deck openings	2.25 m ²	max. 2.25m ² or 24.25 sq. ft.	24
Cockpit forward of LI mark	1.750	min. 1.75m or 5.74ft.	25
Breadth of side decks	>.35	min. 35cm or 1.15ft.	24
SAILS & RIGGING			
Height of sailplan above covering board level	11.10	max. 11.10m or 36.4ft.	16
" " boom (black band) above covering board level	.500	max. 0.85m or 2.795ft.	17
" " fore triangle above covering board level (1)	8.80	max. 8.80m or 29.11ft.	16
Base of fore triangle (J) (Deck black band to be checked)	2.692	max. 0.50 x J	16
Min. headrail for measurement purposes = 0.5 x J x 80%	9.562		15
Spinnaker, halliard above forestay	.090	max. 10cm or 3.9in.	20
" " out from mast	.003	max. 3cm or 1.18in.	20
" breadth of half the foot	3.365	max. 1.25 x J	20
Storm spinnaker, breadth of half the foot	2.692	max. J	20
Spinnaker boom length	2.660	max. J	21
Mast diameter at 1/2 ht. of fore triangle, <u>oval</u> round mast	>10.3	min. 11.5cm or 4.52 in.	22
" " at deck " "	>9.8	min. 10.9cm or 4.30in.	22
" " at jib halliards " "	>8.3	min. 9.2cm or 3.62in.	22
" " at top " "	>5.2	min. 5.8cm or 2.26in.	22
(The athwartships diameters of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
Weight of mast with fixed fittings	40 kg	min. 40 kgs or 88 lbs	22
Centre of gravity of mast above covering board level	>38%	min. 38% of mast ht.	22
Boom depth	.101	max. 15.2cm or 6in.	23
Boom width	.066	min. 3.8cm or 1.5in.	23
MISCELLANEOUS			
Weight of anchor	11 kg	max. 13kgs or 26.45lbs min. 11kgs or 24.24lbs	26
Length of warp		min. 30m or 16.4 fathoms	26
Top of I marks above water with yacht in racing trim	30m		5

RATING FORMULA: $0.9 \left(\frac{L \sqrt{S}}{12 \sqrt[3]{D}} + \frac{L + \sqrt{S}}{4} \right)$ not to exceed 5.5 m or 18.0 ft.

	Actual measures		Rule limits
LENGTH L FOR RATING			
Overall length L.O.A.		9.330	
Bow overhang to L ₁	1.015		
Stem overhang to L ₁	0.071		
Total overhang	add	1.087	
Measured length L ₁		subtract	
		7.243	
Girth at bow	.726		
Twice vertical height at bow (=0.550 m or 1.804 ft.)	.830		
Bow girth difference	subtract	.176	min. 0.165 m or 0.541 ft. (rule 3)
Girth at stem	1.545		
Twice vertical height at stem	.906		
Stem girth difference	subtract	.552	
1/3 stem girth difference	div. by 3	.184	min. 0.234 m or 0.768 ft. (rule 3)
Length L for rating formula		add	
		7.853	
SAIL AREA FOR RATING			
Largest headsail = 0.5 x _____ (luff) x _____ (port)		9.565	min. see next page
Mainsail = 0.5 x 12.000 (H) x 3.967 (B)		19.485	min. 26.5 m ² or 285.0 sq. ft. (rule 7)
Total sail area S		add	max. 29.0 m ² or 312.0 sq. ft.
		29.00	
\sqrt{S}			
DISPLACEMENT			
Weight of yacht (date when weighed <u>19 Aug. 1971</u>)		2050	
Displacement D = weight div. by 1025.21 kg/m ³ or 64 lbs/cu. ft.			min. 1.7 m ³ or 60.27 cu. ft. (rule 7)
$\sqrt[3]{D}$		2.00	max. 2.0 m ³ or 70.62 cu. ft.
RATING			
Rating calc'd according to formula		5.494	
3 x tumble home excess			(rule 14)
FINAL RATING		add	
		5.494	