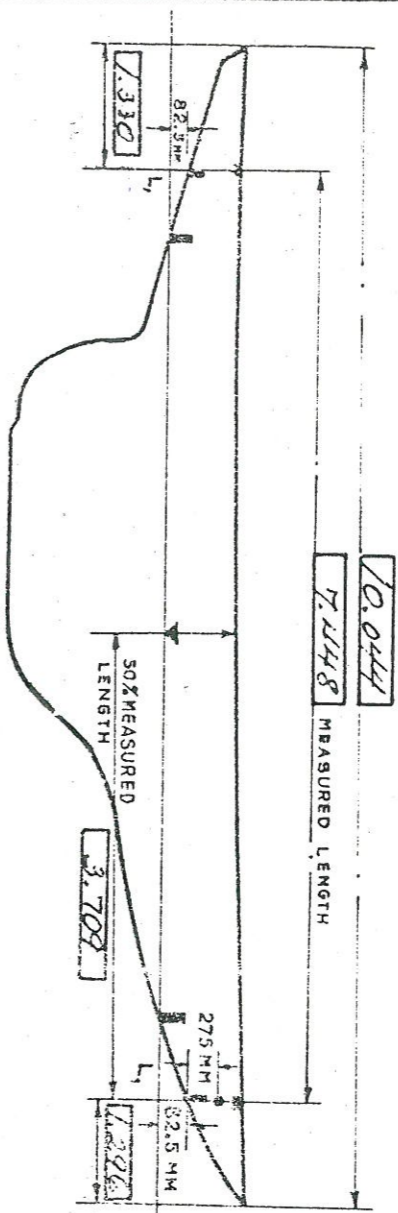




DET NORSKE VERITAS

5.5 METRE CLASS MEASUREMENT FORM

NAME OF YACHT: "STRUTTEN II" BUILDER: OTAR G. LAASEN.
 NUMBER IN SAIL: 5-5 N-25 PLACE AND YEAR: DRØBAK - 1962.
 OWNER: KANSOFTUM "STRUTTEN" MEASURED BY: DET NORSKE VERITAS.
 CLUB: KONGELIG NORSK SEILFORENING. PLACE AND DATE: _____
 HOME PORT: OSLO. EXPIRATION DATE OF CERTIFICATE: _____
 DESIGNER: JAN HERMAN LINGE. RATING OF THE YACHT: 5.5 R.

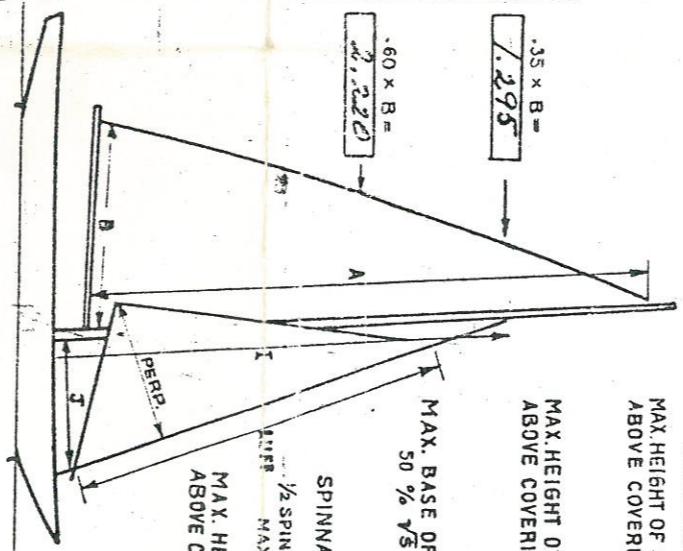


RATING FORMULA

$$9 \left(\frac{L \sqrt{S}}{12 \sqrt{D}} \right) + \frac{L + \sqrt{S}}{4} \leq 5.500 \text{ METRES}$$

SAIL LIMITS (METRES)

MAX HEIGHT OF SAIL PLAN ABOVE COVERING BOARD LEVEL	ACTUAL	11.100
MAX HEIGHT OF FORE TRIANGLE ABOVE COVERING BOARD	ACTUAL - I	8.880
MAX. BASE OF FORE TRIANGLE 50% \sqrt{S}	ACTUAL - J	2.692
SPINNAKER BOOM		2.690
1/2 SPINNAKER FOOT		3.365
MAX. HEIGHT TOP OF BOOM ABOVE COVERING BOARD LEVEL	ACTUAL	.850
MINIMUM HEADSAIL AREA FOR MEASUREMENT PURPOSES		0.600



SAIL AREA FOR RATING

LARGEST HEADSAIL	1/2	7.57	x	2.55	=	9.575
MAINSAIL	1/2	10.500	x	3.700	=	19.425
TOTAL AREA						29.000
						$\sqrt{S} = 5.355$

OVERALL LENGTH	10.044	SUB	
OVERHANG FORWARD TO L ₁	1.296	ADD	
OVERHANG AFT TO L ₁	1.330		
SUBTRACT TOTAL OVERHANG	2.626		
MEASURED LENGTH	7.418		
GIRTH AT BOW	0.753		
TWICE VERTICAL HEIGHT AT BOW	.550		
BOW GIRTH DIFFERENCE (.165 METRES MIN)	1.752		
GIRTH AT STERN	1.053		
TWICE VERTICAL HEIGHT AT STERN	0.203		
STERN GIRTH DIFFERENCE (0.234 METRES MIN)	0.699		
1/5 " "	0.233		
LENGTH L ₁ FOR RATING FORMULA	7.855		
\sqrt{S}	5.385		
12 \sqrt{D}	15.119		
L \sqrt{S}	2.798		
12 \sqrt{D}	3.310		
L + \sqrt{S}			
4			
TOTAL OF MEASUREMENTS			6.108
MULTIPLY BY 0.9 = RATING			5.495

HULL PARTICULARS

WEIGHT OF YACHT FLOATING TO MARKS (INCL. INSIDE BALLAST)	2050	KG ASCERTAINED BY WEIGHING
DISPLACEMENT IN CUBIC METRES	2.0	RULE MAX. 2.000
\sqrt{D} IN CUBIC METRES	1.259	RULE MIN. 1.700
12 \sqrt{D} FOR RATING FORMULA	15.119	
MEAN FREEBOARD AT BOW GIRTH STATION	0.718	
" " MIDSHIP MARK	0.614	ADD
" " STERN GIRTH STATION	0.609	
SUM OF FREEBOARDS	1.941	
1/3 = MEAN FREEBOARD	0.647	RULE MIN. .630 METRES
MAX BEAM AT HALF HIGHT OF FREEBOARD	1.912	RULE MIN 1.900 METRES
MAX TUMBLE HOME	0.026	RULE MAX. 2% BEAM = 0.038
MAX DRAFT	1.348	RULE MAX. 4.350 METRES
MIN WIDTH OF KEEL AT MAX. SECTION	0.154	RULE MIN 150 P/M

INSIDE BALLAST WEIGHT: _____
 FORE & AFT POSITION: _____
 MOVEMENT OF THIS BALLAST INVALIDATES THIS CERTIFICATE.
 CONDITION OF WATER WHEN MARKS WERE TESTED: _____
 STATE FRESH OR SALT: _____
 DIFFERENCE IN IMMERSION (RATING RULE 5): _____
 HAS DESIGNER'S DECLARATION BEEN FURNISHED? YES
 THE _____ 1964

SURVEYOR