

APH: **600.2**

CDL: **7.765**

GPH: **670.7**

CertNo: **999.**

BOAT

Class **Hustler SJ 35**
Designer **S.Jones**
Builder **Oyster Marine**
Age date **05/1984**
Series date **05/1984**
Offset file **K15070.BOF**
Data file

HULL

Length Overall **10.520 m**
Maximum Beam **3.502 m**
Draft **1.936 m**
Displacement **3,751 kg**
DLR **9.3258**
IMS Division
Dynamic Allowance **0.010%**
Age Allowance **0.487%**

PROPELLER

Installation **Shaft exposed**
Type **Folding 2 blades**
Diameter **0.420m**

CREW

Maximum weight **446 kg**
Minimum weight **335 kg** * when applied
Non Manual Power **No**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	31.94	32.19
Headsail Luffed	28.30	28.30
Headsail Flying		
Symmetric	62.36	62.36
Asymmetric		

STORM SAIL AREAS (m²)

Trysail **10.57**
Storm Jib **5.48**
Heavy Weather Jib **14.78**

SAIL LIMITS

Headsails **5** * Woven polyester sails
Spinnakers **4**

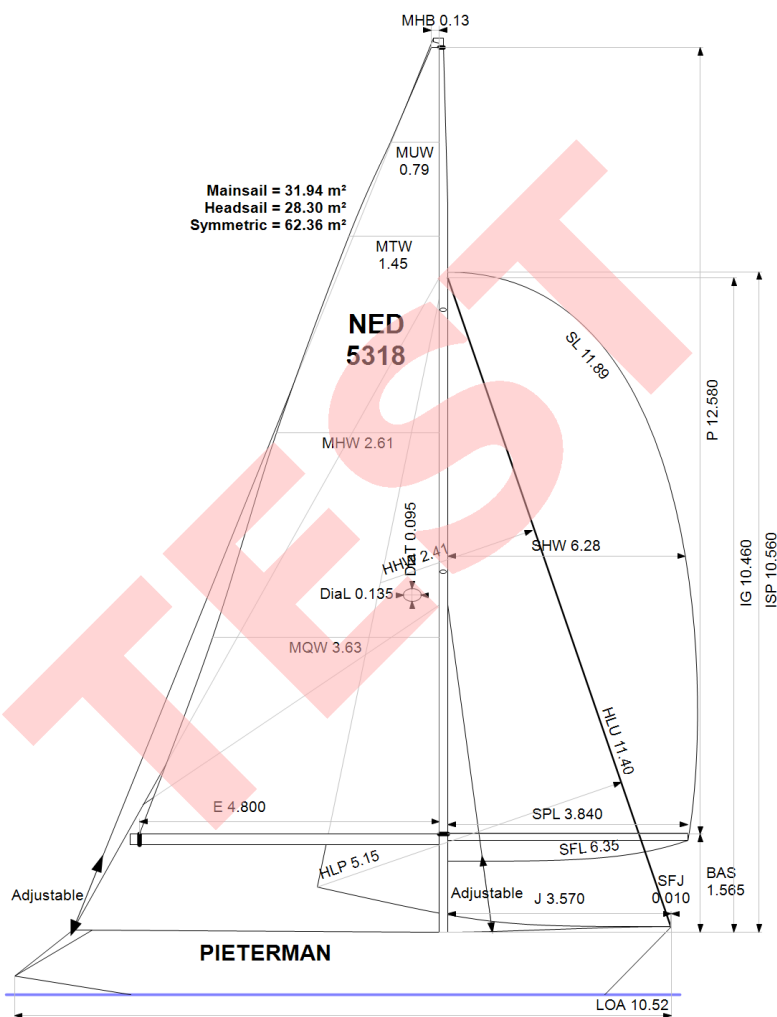
STABILITY

Righting Moment **N/A**
Stability Index **N/A**

COMMENTS

Main 8/5/95

The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	41.4°	40.0°	38.4°	37.8°	37.6°	37.6°	37.8°
Beat VMG	3.44	4.10	4.51	4.69	4.78	4.83	4.86
52°	5.14	5.95	6.37	6.57	6.67	6.74	6.80
60°	5.37	6.12	6.52	6.73	6.84	6.92	7.00
75°	5.50	6.24	6.63	6.88	7.06	7.18	7.34
90°	5.39	6.20	6.69	6.97	7.15	7.35	7.66
110°	5.27	6.24	6.77	7.13	7.43	7.71	8.15
120°	5.08	6.09	6.67	7.06	7.40	7.74	8.48
135°	4.53	5.54	6.34	6.80	7.15	7.51	8.34
150°	3.77	4.80	5.72	6.40	6.82	7.16	7.86
Run VMG	3.26	4.16	4.96	5.69	6.27	6.70	7.35
Gybe Angles	146.0°	151.4°	152.3°	161.9°	175.4°	179.0°	179.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1047.7	878.5	798.3	767.8	753.2	744.6	740.0
52°	700.2	605.1	565.2	547.8	539.7	534.5	529.4
60°	670.5	587.8	552.5	535.3	526.2	520.4	514.2
75°	654.2	577.1	542.7	523.2	510.2	501.4	490.7
90°	668.5	580.5	538.1	516.5	503.3	490.0	470.2
110°	682.9	576.5	531.9	505.2	484.4	466.8	441.8
120°	708.7	591.0	539.6	510.1	486.4	464.9	424.7
135°	795.5	649.7	567.8	529.8	503.3	479.2	431.8
150°	954.9	750.3	629.6	562.3	528.0	503.1	458.2
Run VMG	1102.6	865.5	725.7	632.3	574.0	537.0	489.7
Selected Courses							
Windward / Leeward	1075.2	872.0	762.0	700.1	663.6	640.8	614.9
All purpose	828.3	688.8	618.1	580.7	558.8	542.9	520.1

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	730.9	0.8209
All purpose	600.2	0.9997

Custom scoring options for Netherlands

Scoring Option	Time On Time
Triple Number Coastal/Long Distance Low	0.7909
Triple Number Coastal/Long Distance Medium	1.0056
Triple Number Coastal/Long Distance High	1.1146
Triple Number Windward/Leeward Low	0.6163
Triple Number Windward/Leeward Medium	0.8266
Triple Number Windward/Leeward High	0.9423
Coastal/Long Distance	0.9203
Predominantly Upwind	0.9310
Predominantly Downwind	0.9784

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	Hustler SJ 35	LOA	10.520	VCGD	0.018
Measurement	01/06/1994	Max. Beam	3.502	VCGM	0.035
HIN		Draft	1.936	RM Rated (kg-m)	70.6
Plan review		Displacement	3,751	Limit of positive stability(°)	N/A
Hull construction	Solid	Wetted area	19.52	Stability Index	N/A
Carbon Rudder	No	IMS L	7.966		
Light stanchions	No	LSM0	7.381		
Trim tab	No	Acc. length	10.520		
		Sink (kg/mm)	13.53		

PROPELLER

Propeller Type	Folding 2 blades						
Installation	Shaft exposed	PRD	0.420	PSD	PSA	ST1	ST4
Twin screw	No	PBW	0.100	PHD	ESL	ST2	ST5
Hydro generator	No	PIPA	0.0017	PHL		ST3	

RIG

Forestay tension	Aft	P	12.580	E	4.800
Inner stay	Adjustable	IG	10.460	J	3.570
Carbon mast	No	ISP	10.560	BAS	1.565
Headsail furler	No	MDT1	0.095	FSD	Foil
Mainsail furler	No	MDL1	0.135	SFJ	0.010
Articulated bowsprit	No	MDT2		SPL	3.840
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	Taper	TPS	
Runners/Checkstays	2	MW		BD	
Spreaders	2	GO		MWT	
Rotating mast	No			MCG	

FLOTATION AND STABILITY

Calculation method	RM estimated	SFFP	0.752	SAFP	9.280
Flotation Date	01/06/1994	FFM		FAM	
Measurer		FF	1.087	FA	1.031
Comment		LCFcl	5.345	LCFsh	5.625
		SG	1.0000	HBI	1.003



MAINSAIL

<i>Id</i>	<i>MHB</i>	<i>MUW</i>	<i>MTW</i>	<i>MHW</i>	<i>MQW</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
ORC	0.13	0.79	1.45	2.61	3.63	31.94		

HEADSAIL

<i>Id</i>	<i>HMB</i>	<i>HUW</i>	<i>HTW</i>	<i>HHW</i>	<i>HQW</i>	<i>HLP</i>	<i>HLU</i>	<i>Btn</i>	<i>Flying FT</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
new	0.04	0.58	1.15	2.41	3.74	5.15	11.40	No	No	28.30		
ORC	0.03	0.45	0.84	1.65	2.50	3.32	11.30	Yes	No	18.84		

SYMMETRIC SPINNAKER

<i>Id</i>	<i>SLU</i>	<i>SLE</i>	<i>SL</i>	<i>SHW</i>	<i>SFL</i>	<i>Area</i>	<i>Meas.Date</i>	<i>Comment</i>
ORC	11.89	11.89	11.89	6.28	6.35	62.36		