

APH ToD: **580,0** CDL: **8,105**

APH ToT: **1,0345** CertNo: **0517.6**

BOAT

Class **TELIGA 104**
Designer **M.Tunski**
Builder **MSJ im.Teligi**
Age date **08.1989**
Series date **06.1988**
Offset file **Teliga104.off**
Data file **RU0517_Aiya**

HULL

Length Overall **10,180 m**
Maximum Beam **3,412 m**
Draft **1,861 m**
Displacement **4 008 kg**
DLR **8,3181**
IMS Division **Performance**
Dynamic Allowance **0,000%**
Age Allowance **0,650%**
RS Assessment **-0,254%**

PROPELLER

Installation **No Propeller**
Type **N/A**
Diameter **N/A**

CREW

Maximum weight **600 kg** (declared)
Minimum weight **470 kg** * when applied
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	35,35	36,13
Headsail Luffed	31,02	31,02
Headsail Flying		
Symmetric	79,21	79,21
Asymmetric		

STORM SAIL AREAS Maximum (m²)

Trysail **10,45**
Storm Jib **6,87**
Heavy Weather Jib **18,55**

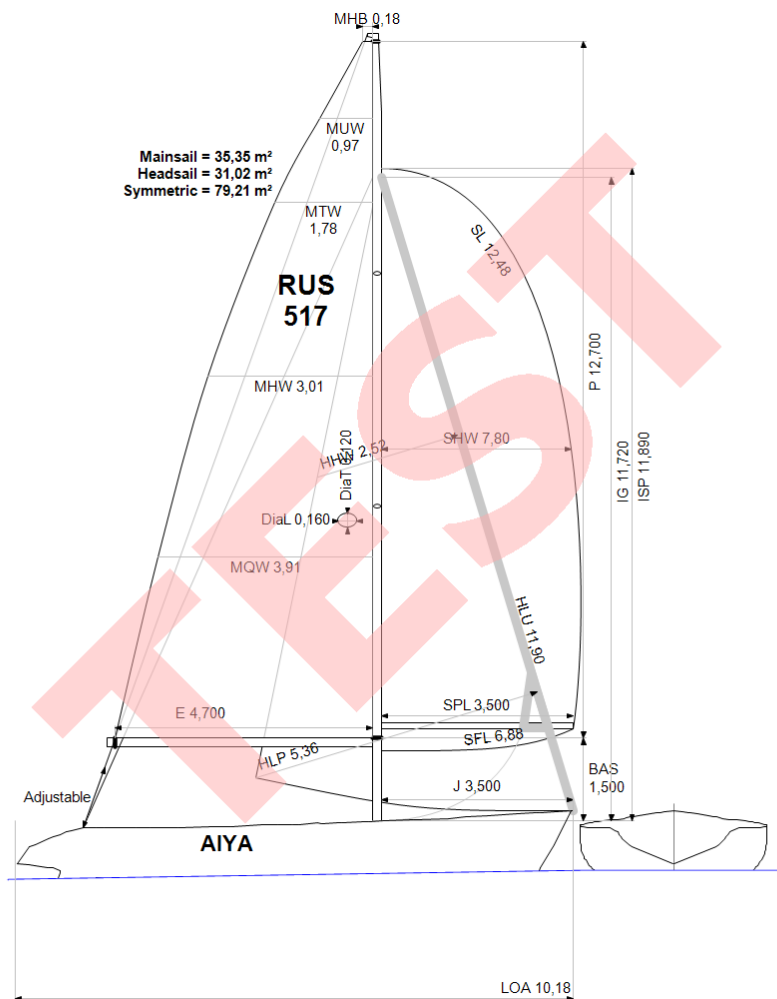
SAIL LIMITS

Headsails **5** * One set on the forestay
* Woven polyester sails
Spinnakers **4**

STABILITY

Righting Moment **71,4 kg·m**
Stability Index **96,2**

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	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat Angles	46,3°	42,5°	40,8°	38,9°	38,1°	38,1°	38,1°	38,6°	39,9°
Beat VMG	2,53	3,50	4,16	4,58	4,77	4,85	4,89	4,90	4,82
52°	3,98	5,31	6,11	6,52	6,72	6,81	6,86	6,92	6,92
60°	4,27	5,59	6,31	6,69	6,89	6,99	7,06	7,14	7,17
75°	4,50	5,76	6,44	6,83	7,08	7,25	7,36	7,53	7,64
90°	4,41	5,68	6,42	6,88	7,15	7,41	7,64	7,97	8,17
110°	4,10	5,61	6,52	7,02	7,39	7,72	7,99	8,33	8,60
120°	3,96	5,43	6,38	6,93	7,36	7,79	8,17	8,70	9,07
135°	3,46	4,88	5,93	6,64	7,10	7,52	8,01	8,83	9,83
150°	2,86	4,09	5,16	6,08	6,72	7,13	7,53	8,40	9,33
Run VMG	2,48	3,54	4,47	5,28	6,00	6,53	6,95	7,70	8,47
Gybe Angles	138,1°	145,8°	151,0°	153,2°	161,8°	168,9°	176,8°	173,5°	176,6°

Time Allowances in secs/NM									
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Beat VMG	1421,4	1029,5	864,5	785,5	754,9	742,4	736,3	734,5	746,3
52°	905,2	677,8	589,5	552,0	535,4	528,6	524,8	520,1	520,0
60°	842,5	644,4	570,8	538,0	522,1	514,8	510,3	503,9	501,8
75°	800,2	624,7	558,7	527,2	508,8	496,6	489,1	478,0	471,2
90°	816,3	634,1	561,1	523,6	503,4	485,7	471,4	451,9	440,7
110°	877,3	642,2	552,2	512,5	486,8	466,1	450,7	432,3	418,5
120°	909,5	662,5	563,9	519,2	489,0	462,2	440,8	413,8	396,9
135°	1040,9	737,7	607,0	542,0	507,4	478,5	449,6	407,6	366,2
150°	1258,3	881,1	697,6	592,3	536,0	504,8	477,9	428,8	386,0
Run VMG	1453,0	1017,4	805,0	681,3	600,0	551,3	518,1	467,8	425,2
Selected Courses									
Windward / Leeward	1437,2	1023,5	834,8	733,4	677,4	646,8	627,2	601,1	585,8
All purpose	1081,7	787,4	660,9	597,0	562,7	541,9	526,7	505,4	491,5

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	706,7	0,8490
All purpose	580,0	1,0345

Custom scoring options for Russia

Scoring Option	Time On Distance	Time On Time
Predominantly Upwind	627,1	0,9567
Predominantly Downwind	585,8	1,0242

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

Class	TELIGA 104	Length overall	10,180	VCGD	0,164	Centerboard weight	N/A
Measurement	04.04.2019	Maximum beam	3,412	VCGM	0,228	List angle	N/A
HIN	№5	Draft	1,861	RM Rated (kg·m)	71,4	Canting keel angle	N/A
Plan review		Displacement	4 008	Limit of positive stability(°)	99,5		
Hull construction	Solid	Wetted area	19,44	Stability Index	96,2		
Carbon rudder	No	IMS L	8,383	BLR index	N/A		
Light stanchions	No	LSM0	7,839	Default crew weight	486		
Trim tab	No	Accommod. length	10,180	Declared crew weight	600		
		Sink (kg/mm)	14,52				

PROPELLER

Propeller Type	No Propeller
Hydro generator	No

RIG

Backstay	Adjustable	P	12,700	E	4,700	PY	N/A	Flying Headsail Foretriangles		
Forestay	Fixed	IG	11,720	J	3,500	MDT1Y	N/A			
Inner forestay	Not installed	ISP	11,890	BAS	1,500	MDL1Y	N/A	Id	ISP	TPS
Mast material	Aluminum	MDT1	0,120	FSD	0,035	MDT2Y	N/A			
Single headsail furler	Yes	MDL1	0,160	SFJ	0,000	MDL2Y	N/A			
Mainsail furler	No	MDT2	0,120	SPL	3,500	TLY	N/A			
Articulated bowsprit	No	MDL2	0,100	WPL		BASY	N/A			
Non-circular rigging	No	TL	1,300	TPS		EY	N/A			
Fiber rigging	No	MW	0,160	BD	0,160	BDY	N/A			
Base of mast	Fixed	GO	0,160	MWT		IY	N/A			
Running backstays	Yes			MCG		EB	N/A			
Checkstays	No									
Spreaders	2									
Rotating mast	No									

FLOTATION AND STABILITY

Calculation method	Poles inclining	SFFP	0,592	SAFP	8,946	W1	32,2	PD1	139,3	WD	8,560
Flotation Date	25.04.2016	FFM	1,070	FAM	0,925	W2	32,2	PD2	135,4	PLM	2050,00
		FF	1,076	FA	0,929	W3	32,2	PD3	138,0	GSA	36,0
		LCFcl	5,088	LCFsh	5,356	W4	32,2	PD4	140,0	RSA	8100,0
		SG	1,0080	HBI	0,965					RM	71,3

INVENTORY

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>
0001	0,18	0,97	1,78	3,01	3,91	35,35		

HEADSAIL

<i>Id</i>	<i>HHB</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>
0001	0,09	0,64	1,23	2,52	3,93	5,36	11,90	No	No	31,02		

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>
0002	12,48	12,48	12,48	7,80	6,88	79,21		
0001	11,91	11,91	11,91	7,04	6,86	69,51		

NON MANUAL POWER CONTROLS (NMP)

Sheets	No	Mainsail cunningham	No	Jib track	No	Spinnaker retriever	No
Boomvang	No	Headsail cunningham	No	Tack line	No		
Outhaul	No	Main traveller	No	Halyards	No		

