Measurement Report NEW Boats 2.4 Norlin One Design Class NEW BOATS

Official Measurer's certification control of 2.4 NOD boats built AFTER 2011-03-01

Builder: Charger Technology **Build date: 14.02.2018** **Hull Number:CT-17-035**

ISAF Plaque Number: 982 **Norlin OD Number: 263**

Please, observe that it is necessary to present a valid 2.4mR Certificate in order to get a 2.4 Norlin One Design certificate.

Item #	Rule	Item to be checked	Requirements	Measurement result	Comments
		Hull			
1	N/A				
2	N/A				
3	N/A				
4	D.2.4(c)	Holes in hull and deck	According to rule	yes	
5	N/A				
6	D.2.5(b)	Hull datum section	Marked on deck and sheer line	yes	
7	D.2.6(a)	ISAF Plaque	Placed in the cockpit	yes	
8	D.2.6(b)	2.4 NOD Class sticker	Placed in the cockpit	yes	
9	D.2.6(c)	Builders information	Placed in the cockpit	yes	
10	D.3.1(a)	ICA Builder Declaration		yes	
11	C.6.1(a)	Boat weight, incl sails	Weight 253 - 254kg	254	
12	C.6.1(b)	Balance point (C of G)	Distance fr sect 0 1343-1371mm	1354	
13	D.5.1(a)	Buoyancy material	Non-com. Air cell foam plastic	yes	
14	D.5.1(b)	Watertight Compartments	Shall be inspectable	yes	
15	D.7.1(a)	Mandatory fittings	All fittings installed	yes	
16	D.7.1(a)(5)	Foretriangle base	Fitting or devise installed	1536	
17	D.7.1(c)(1)	Fitting on outside of hull	No fittnings permitted on outside	no	
18	N/A				
19	C.9.9(b)(1)	Adjustable shrouds	According to rule	yes	
		Ballast			
30	C.7.3(b)	Ballast	Weight ≤ 181kg incl battery	181	
31	C.7.3(b)	Ballast	Is Battery included in ballast?	yes	
32	D.8.3	Internal ballast	According to D.8.3 (a)(b)(c)	yes	
33	C.6.2	Corrector Weights		yes	3,8 kg

Date and place of measurement: 14.02.2018 Kokkola

Signature of measurer:

Name of measurer: Rikard Björkström

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	K.3	**Checking against templates**			
40	Hull	Vertical section 0	clearance 2 -4mm	yes	
41	Hull	Vertical section 2	clearance 2 -4mm	yes	
42	Hull	Vertical section 4	clearance 2 -4mm	yes	
43	Stern	100mm part in centre	clearance 0 -2mm	yes	
44	Keel	Vertical section 2	clearance 2 -4mm	yes	
45	Keel	Horiz sect 75mm b BL	clearance 2 -4mm	yes	
46	Keel	Horiz sect 400mm b BL	clearance 2 -4mm	yes	
47	Keel	Trailing edge	clearance 0-1mm	yes	
48	Rudder	Standard, profile	clearance 1 -5mm	yes	
49	Rudder	Standard, section 200	clearance 0-1mm	yes	
50	Rudder	Standard, section 400	clearance 0-1mm	yes	
51	Rudder	Standard, section 600	clearance 0-1mm	yes	
52	N/A				
53	N/A				
54	N/A				
55	Rudder	Trailing edge	clearance 0 - 1mm	yes	
	Additional checks of dimensions given on drawing nr J1, J2, J5, J6				
60	Hull	Over all length	4175 ≤ *l* ≤ 4183mm	4178	
61	Hull	Beam section 0	536 ≤ *l* ≤ 542mm	537	
62	Hull	Beam section 2	800 ≤ *l* ≤ 808mm	802	
63	Hull	Beam section 4	302 ≤ *l* ≤ 309mm	302	
64	Hull	Aft end to section 0	645 ≤ *l* ≤ 651mm	646	
65	Deck	Mast hole to sect 0	*l* ≤ 2043mm	2032	
66	Deck	Shroud hole to sect 0	1902 ≤ *l* ≤ 1982mm	1902	
67	Deck	Shroud hole to Centre L	240 ≤ *l* ≤ 268mm	254	
68	Deck	Stem to forestayextension	intersect w deck 0 ≤ *l* ≤ 80mm	20	
69	Keel	Girth around keel	≤ 2752mm	2733	

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Name of measurer: Rikard Björkström

Mast Builder:Neb-sails Ky **Build date: 2018**

ISAF Plaque Boat Number: 982 **Norlin OD Boat Number: 263**

Item #	Rule	Item to be checked	Requirements	Measurement result	Comments
		Mast			
100	F.3.1	Mast material	Aluminium	yes	
101	F.3.2(a)	Mast construction	Fixed sail groove	yes	
102	F.3.3(a)	Mandatory fittings	All installed	yes	
103	F.2.4(a)	Mast datum point	Clerly market by a punsch	yes	
104	F.3.4	Forestay height	h < 3750mm	3750	
105	C.9.5(a)	Mast curvature	< 30mm	0	
106	F.3.4	Mast cross sections top	Fore/aft 28mm < d < 66mm	51	
107	F.3.4		Transv > 24mm	34	
108	F.3.4	Datum point - 3500mm	Fore/aft 56mm < d < 66mm	65	
109	F.3.4		Transv > 38mm	52	
110	F.3.4	Lower point height	340mm < h < 350mm	350	
111	F.3.4	Upper point height	4990mm < h < 5000mm	5000	
112	F.3.4	Lower to upper point	4630mm < h < 4650mm	4650	
113	F.3.4	Shroud height	3770mm < h < 4000mm	3980	
114	F.3.4	Spreader length	200mm < l < 350mm	238	
115	F.3.4	Spreader height	1950mm < h < 2050mm	2040	
116	F.3.5	Mast weight	6,5kg < h	7,6	
117		Mast tip weight	> 2,0kg	2,7	
118	F.7.1	Shrouds material	Stainless steel	yes	
119	F.8.2(a)	Running rigging mandatory	Maximum acc to C.9.10(c) (1)	yes	
		Boom			
130	F.4.1	Boom material	Aluminium	yes	
131	F.4.2	Boom construction	With or without groove	with	
132	C.9.6(a)	Outer point distance	< 1960mm	1960	
133	F.4.4	Boom cross section	Vertical > 75mm	65	
134	F.4.4		Transverse 27mm < d < 55mm	52	
135	C.9.6(b)(1)	Boom position on mast	As per Rule	yes	
		Whisker Pole			
140	F.5.2	Whisker pole material	Aluminium	yes	
141	F.5.5	Whisker pole length	< 2106mm	2065	
142	F.5.5	Whisker pole diameter	> 22mm	25	

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