2.4 Norlin One Design Class OLD BOATS

Measurements in order to approve 2.4OD boats built BEFORE 2011-03-01

Measurement Report Old Boats — Checks acc to CR Section K

ISAF Plaque number: 00697 **Sail number:** NED 52

Rule	Item to be checked	Requirements	Measurem result		Comments
K.1.1	Building year	Before 2011	2009		
K.1.3	Hull Certificate	Valid 2.4mR certificate	YES		
K.1.2	**Way of building the hull**	**Built in moulds from orig plug**	YES		
D.2.3(a)	**Hull outside alteration**	**The shape must not be altered**	OK		
D.2.3(c)	Holes in hull and deck	According to rule	YES		
D.2.3(e)	Repair of hull	According to rule	N/A.		
D.2.4(b)	Hull datum section	Marked on deck and sheer line	YES		
D.2.5	ISAF Plaque	Placed in the cockpit	YES		
D.3.1	**Building materials**	**According to Construction Manual**	YES		
D.3.2	**Hull construction**	**Additional external filler removed**	N/A		
C.6.1(a)	Boat weight	Weight 253 - 254kg	254	kg	
D.6.2(b)	Seat not incl in weight	CoG < 300 from sheer line	N/A	mm	NO SEAT
C.6.1(b)	Balance point (C of G)	Distance fr sect 0 1343-1371mm	1360	mm	
C.7.3	Ballast	Weight ≤ 181kg incl battery	181	kg	
C.7.3	Ballast	Battery is included in ballast	YES		
	Ballast	**Weight of topmost ballast pig**	12.2	kg	
D.8.3	**Internal ballast**	**According to D.8.3 (a) - (c)**	N/A		
D.5.1(a)	Buoyancy material	Non-com. Air cell foam plastic	YES		
D.5.1(d)	Compartments	Shall be inspectable	YES		
D.7.1(a)	Mandatory fittings	All fittings installed	YES		
D.7.1(10)	Foretriangle base	Fitting or devise installed	1560	mm	
D.7.1(c)	Fittings construction	Distance from stem acc drw ?	5	mm	
D.7.1(c)	**Fitting on outside of hull**	**No fittnings permitted on outside**	OK		
C.9.5(b)(1	**Mast step**	**Movement <10mm athwartskips**	0	mm	
C.8.3	Kind of rudder	Small rudder permitted	STANDARD		
C.9.5(b)(2	Mats datum point	Dist to deck measur point <36mm	25	mm	
C.9.9(a)	Adjustable shrouds	According to rule	N/A		
F.2.4	Mast datum point	3750mm from rigging point	YES		
C.9.5(a)	**Mast curvature**	**≤ 30mm**	2	mm	
F.3.1	**Mast material**	**Aluminium**	Aluminium		
F.3.2	Mast construction	Fixed sail groove	YES		
F.3.3	Mandatory fittings	All installed	YES		
F.3.4	Mast cross sections top	Fore/aft 28mm ≤ *d* ≤ 66mm	45	mm	
		Transv ≥ 28mm	35	mm	
	Datum point - 3500mm	Fore/aft 56mm ≤ *d* ≤ 66mm	66	mm	
		Transv ≥ 38mm	50	mm	
	Lower point height	**350mm ≤ *h* ≤ 360mm**	350	mm	
	Upper point height	4990mm ≤ *h* ≤ 5000mm	5000	mm	
	Lower to upper point	4630mm ≤ *h* ≤ 4650mm	4650	mm	
	Forestay height	3750mm ≤ *h* ≤ 3750mm	3750	mm	
F.3.5	Mast weight	6,5kg ≤ *h* ≤ 7,5kg	6.75	kg	
	Mast tip weight	≥ 2,0kg	2.39	kg	
F.4.1	**Boom material**	**Aluminium or wood**	aluminium		
F.4.2	Boom construction	With or without groove	with		
F.4.4	Outer point distance	≤ 1960mm	1960	mm	
	Boom cross section	Vertical ≥ 75mm	65	mm	
		Transverse 27mm ≤ *d* ≤ 55mm	52	mm	

C.9.6(b)	Boom position on mast	Over side at lower point	3	mm	
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Rule	**Item to be checked**	**Requirements**	**Measurem result**		**Comments**
F.5.2	Whisker pole material	Aluminium	alumin	mm	
F.5.5	Whisker pole length	≤ 2109mm	2055	mm	
	Whisker pole diameter	≥ 22mm	25	mm	
F.7.1	Shrouds material	Stainless steel	S.S.		
F.7.2	Without lower shrouds	Mast built <2011-01-01 accepts	without		
F.8.2(a)	Running rigging mandato	Maximum acc to C.9.10(c) (1)	OK		
F.8.2(b)	Running rigging optional	Maximum acc to C.9.10(c) (2)	OK		
C.9.10(d)	Mainsail sheet	Only one sheet is permitted	OK		
K.3	**Checking against templates**				
Hull	Vertical section 0	clearance 2 -4mm	OK		
Hull	Vertical section 2	clearance 2 -4mm	OK		
Hull	Vertical section 4	clearance 2 -4mm	OK		
Stem	100mm part in centre	clearance 0 -2mm	OK		
Keel	Vertikal section 2	clearance 2 -4mm	OK		
Keel	Horiz sect 75mm b BL	clearance 2 -4mm	OK		
Keel	Horiz sect 400mm b BL	clearance 2 -4mm	OK		
Keel	Trailing edge	clearance 0-1mm	OK		
Rudder	Standard, profile	clearance 1 -5mm	OK		
Rudder	Standard, section 200	clearance 0-1mm	OK		
Rudder	Standard, section 400	clearance 0-1mm	OK		
Rudder	Standard, section 600	clearance 0-1mm	OK		
Rudder	Small, profile	clearance 1 -5mm	N/A		
Rudder	Small, section 1	clearance 0 -2mm	N/A		
Rudder	Small, section 2	clearance 0 -2mm	N/A		
Rudder	Trailing edge	clearance 0 - 1mm	N/A		
Additional checks of dimensions given on drawing nr J1, J2, J5, J6, J7					
Hull	Over all length	4175 ≤ / ≤ 4183mm	4175	mm	
Hull	Beam section 0	536 ≤ / ≤ 542mm	539	mm	
Hull	Beam section 2	800 ≤ / ≤ 808mm	803	mm	
Hull	Beam section 4	302 ≤ / ≤ 309mm	304	mm	
Hull	Aft end to section 0	645 ≤ / ≤ 651mm	651	mm	
Deck	Mast hole to sect 0	/ ≤ 2043mm	2025	mm	
Deck	Shroud hole to sect 0	1810 ≤ / ≤ 1920mm	1900	mm	
Deck	Shroud hole to Centre L	240 ≤ / ≤ 270mm	254	mm	
Deck	Stem to forestayextension	intersect w deck 0 ≤ / ≤ 80mm	2	mm	
Keel	Girth around keel	≤ 2752mm	2747	mm	
Flotation	Flotation check done	Date of current check		date	
	OUT OF DATE	22:11:09			
Date and place of measurement:					
	HAREN , NETHERLANDS 31:08:2016				
Signature of measurer:		**Name of measurer:**			
	KD Gm	KEITH GORDON			

Buoyancy Certificate

ISAF Plaque Number:

697

Date of Floatation Check:

19 - 5 - 2017

A flotation check is valid maximum five (5) years from the date of floatation check.

The yacht has been checked under the following conditions:

- The boat was in racing condition and with an extra 35kg lead ballast placed within 100mm from 0.55 x LWL from the bow station.
- The boat was filled with water and tilted over to starboard, to port, to the bow and to the stern in order to let air enclosed under deck and other parts of the hull to come out.

It was noticed that the boat floated in an approximate horizontal position.

This is certified by: Watersportverbond NED

Signature

KLAAS PLAATJE

Name in block letters

watersport verbond

K.R. Plaatje

OFFICIAL MEASURER