

New Zealand Team Racing Association

420 Compliance Certificate



Date..... 420 No..... Owner.....

Component	Comments	Signature
Hull Xtreme Condition (Top) Condition (Underneath) Dings (itemise)	
Mast Supaspa or Proctor Condition Mast step position (410(±5)mm to C/B bolt Spreader length Prebend (30-40mm at spreaders) Tension (20 on LOOs prof guage Mast Rake (6000(±30)mm tip-stern) Chocks (Neutral)	
Boom Condition Position blocks Main Sheet Jib Sheet (continuous) Outhaul Downhaul Vang	
Centreboard Xtreme Condition Tightness Mylar (well stuck + taped)	
Rudder & stock Xtreme Condition Universal joint	
Bridal Fixed Length (560mm centre pulley –corner)	
Other Bailer Tow Line Bow Bumper	

Notes on the Check Sheet

- The NZTRA use 420 yachts, they are set up to be identical and always rotated when running events, to ensure that all boats are equal, and 'the boat' is not part of the winning equation. Even in user-supplied boat events NZTRA recommends that boats are rotated.
- The 420 sails have had the clew raised 200mm to increase boom height, maintaining visibility to leeward and reducing risk of head injury during rapid manoeuvres. This has a negligible effect on speed. There are single reef points in the luff and leach 300mm above the foot. Reefing is at the discretion of the race officer.
- The following are standard rig settings
 - Mast step, aft face of mast at step 410(\pm 5)mm in front of centre of centreboard bolt
 - Mast rake, mast tip to aft edge of stern 6000(\pm 30)mm (to find tip, raise tape measure on halyard and cleat so measuring tape is 4900mm to top edge of black boom position band)
 - Spreaders raked back 256(\pm 3)mm measured aft face of mast to a straight edge drawn between back of stays where they pass through the spreaders. (So that prebend is 30-40mm measured at the spreaders without a sail)
 - Side stay Rig tension 20 on Loos professional gauge (about 30 on standard Loos gauge –needs individual calibration to professional gauge), forestay tension not to be adjusted once set –put a mark on the mast.
 - No wind vanes
 - Jib tied as low as possible onto Deck
 - Bridle, length to pulley centre from corner where aluminium beam meets boat cockpit 560mm(\pm 5)
 - Main sail halyard tension, outhaul, downhaul, boom vang, centreboard position and chocks adjustable by user
 - Mast track stopper at top to prevent sail being pulled above black band
- Do not adjust the rig on the water. It can be penalised by umpires without a protest being made.