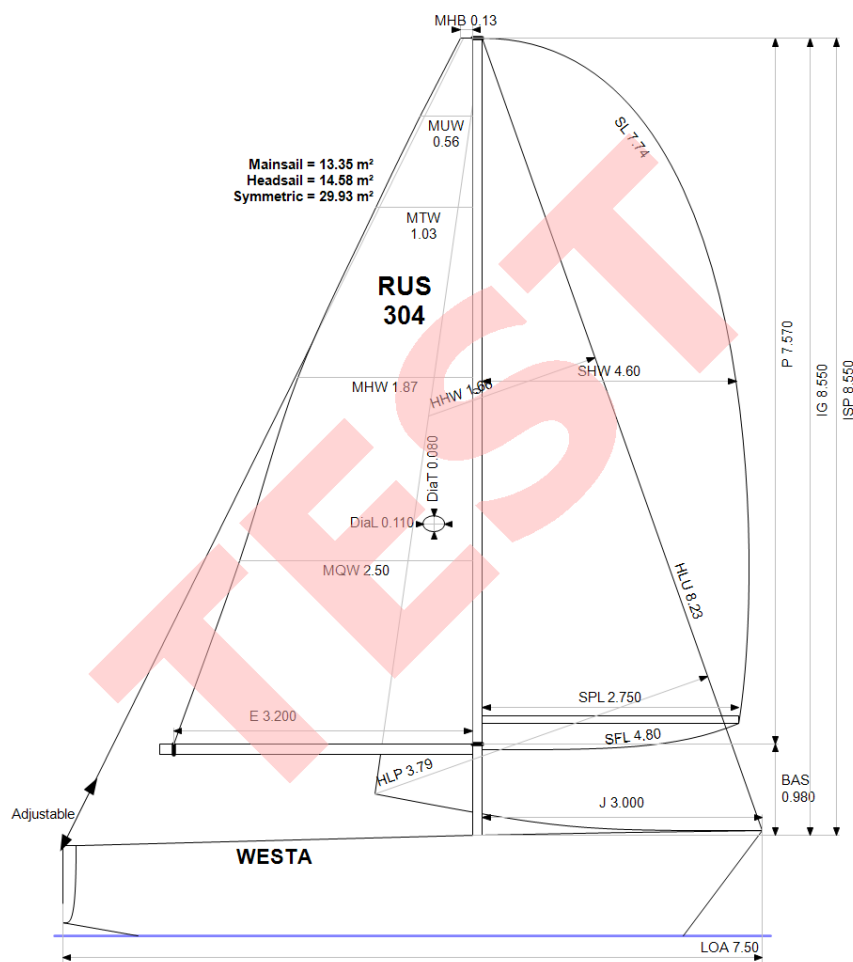


APH: **678.3** CDL: **5.980**

GPH: **765.9** CertNo: **0304.1**



| BOAT | |
|-------------|--------------------|
| Class | T2 Cepheus |
| Designer | LES |
| Builder | LES |
| Age date | 01.1982 |
| Series date | 01.1976 |
| Offset file | Cephei.off |
| Data file | RU304_Westa |

| HULL | |
|-------------------|------------------|
| Length Overall | 7.500 m |
| Maximum Beam | 2.418 m |
| Draft | 1.306 m |
| Displacement | 1 289 kg |
| DLR | 5.6058 |
| IMS Division | Sportboat |
| Dynamic Allowance | 0.268% |
| Age Allowance | 0.487% |

| PROPELLER | |
|--------------|---------------------|
| Installation | No Propeller |
| Type | N/A |
| Diameter | N/A |

| CREW | |
|--------------------|------------------------------|
| Maximum weight | 400 kg |
| Minimum weight | 300 kg * when applied |
| Non Manual Power | No |
| Crew Arm Extension | |

| SAIL AREAS (m²) | | |
|-----------------|--------------|--------------|
| | Measured | Rated |
| Mainsail | 13.35 | 13.57 |
| Headsail Luffed | 14.58 | 14.58 |
| Headsail Flying | | |
| Symmetric | 29.93 | 30.99 |
| Asymmetric | | |

| STORM SAIL AREAS (m²) | |
|-----------------------|-------------|
| Trysail | 4.24 |
| Storm Jib | 3.66 |
| Heavy Weather Jib | 9.87 |

| SAIL LIMITS | |
|-------------|----------------------------------|
| Headsails | 5 * Woven polyester sails |
| Spinnakers | 4 |

| STABILITY | |
|-----------------|------------------|
| Righting Moment | 26.4 kg·m |
| Stability Index | N/A |

COMMENTS
DSPL = 1320

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 | 44.4° | 42.4° | 42.3° | 40.6° | 39.3° | 39.0° | 40.0° |
| Beat VMG | 2.62 | 3.20 | 3.65 | 4.01 | 4.26 | 4.33 | 4.27 |
| 52° | 4.08 | 4.90 | 5.48 | 5.79 | 6.00 | 6.10 | 6.10 |
| 60° | 4.34 | 5.19 | 5.70 | 5.95 | 6.15 | 6.30 | 6.36 |
| 75° | 4.55 | 5.39 | 5.83 | 6.10 | 6.34 | 6.58 | 6.86 |
| 90° | 4.54 | 5.52 | 6.01 | 6.35 | 6.60 | 6.74 | 7.25 |
| 110° | 4.63 | 5.60 | 6.08 | 6.48 | 6.90 | 7.32 | 7.90 |
| 120° | 4.50 | 5.48 | 6.01 | 6.40 | 6.81 | 7.24 | 8.38 |
| 135° | 4.08 | 5.04 | 5.75 | 6.14 | 6.52 | 6.94 | 7.92 |
| 150° | 3.51 | 4.46 | 5.28 | 5.84 | 6.19 | 6.55 | 7.34 |
| Run VMG | 3.04 | 3.87 | 4.60 | 5.23 | 5.73 | 6.08 | 6.76 |
| Gybe Angles | 148.4° | 151.6° | 153.8° | 162.8° | 176.6° | 179.0° | 178.1° |

| Time Allowances in secs/NM | | | | | | | |
|----------------------------|--------|--------|-------|-------|-------|-------|-------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1372.2 | 1124.8 | 986.6 | 897.5 | 844.9 | 831.1 | 842.9 |
| 52° | 883.0 | 735.2 | 656.6 | 621.3 | 600.5 | 590.6 | 589.9 |
| 60° | 828.8 | 693.8 | 631.9 | 605.2 | 585.5 | 571.1 | 566.2 |
| 75° | 791.7 | 668.2 | 617.1 | 590.5 | 568.2 | 546.8 | 524.8 |
| 90° | 793.5 | 652.3 | 598.6 | 567.3 | 545.7 | 534.3 | 496.4 |
| 110° | 777.5 | 643.2 | 591.9 | 555.5 | 521.4 | 491.7 | 455.8 |
| 120° | 800.8 | 656.8 | 599.2 | 562.8 | 528.5 | 497.1 | 429.7 |
| 135° | 882.1 | 713.6 | 625.9 | 586.0 | 551.8 | 518.8 | 454.8 |
| 150° | 1025.2 | 806.8 | 681.7 | 616.7 | 581.9 | 549.8 | 490.4 |
| Run VMG | 1183.8 | 930.6 | 783.3 | 688.8 | 628.2 | 591.9 | 532.6 |
| Selected Courses | | | | | | | |
| Windward / Leeward | 1278.0 | 1027.7 | 885.0 | 793.2 | 736.5 | 711.5 | 687.7 |
| All purpose | 983.8 | 802.0 | 708.5 | 653.2 | 617.0 | 595.3 | 566.8 |

| Single Number Scoring Options | | |
|-------------------------------|------------------|--------------|
| Course | Time On Distance | Time On Time |
| Windward / Leeward | 834.5 | 0.7190 |
| All purpose | 678.3 | 0.8845 |

Custom scoring options for Russia

| Single Number | Time On Distance | Time On Time |
|------------------------|------------------|--------------|
| Predominantly Upwind | 743.1 | 0.8074 |
| Predominantly Downwind | 682.4 | 0.8793 |

Club
Certificate
2022

Boat
WESTA
RUS 304

Novokolomiazhskii av 11-70
St-Petersburg
Russia

Data in meters/kilograms (Metric)

HULL AND APPENDAGES (Lightship Trim)

| | | | | | |
|-------------------|-------------------|--------------|--------------|--------------------------------|---------------|
| Class | T2 Cepheus | LOA | 7.500 | VCGD | -0.129 |
| Measurement | 20.05.2022 | Max. Beam | 2.418 | VCGM | -0.020 |
| HIN | 87 | Draft | 1.306 | RM Measured (kg-m) | 26.4 |
| Plan review | | Displacement | 1 289 | RM Default (kg-m) | 26.4 |
| Hull construction | Solid | Wetted area | 11.13 | Limit of positive stability(°) | N/A |
| Aramid Hull Core | No | IMS L | 6.423 | Stability Index | N/A |
| Carbon Rudder | No | LSM0 | 6.125 | | |
| Light stanchions | No | Acc. length | 7.500 | | |
| Trim tab | No | Sink (kg/mm) | 8.20 | | |

PROPELLER

Propeller Type **No Propeller**
Hydro generator **No** PIPA **0.0000**

RIG

| | | | | | |
|----------------------|--------------------|------|-----------------|-----|----------------|
| Forestay tension | Aft | P | 7.570 | E | 3.200 |
| Inner stay | None Fitted | IG | 8.550 | J | 3.000 |
| Carbon mast | No | ISP | 8.550 | BAS | 0.980 |
| Headsail furler | No | MDT1 | 0.080 | FSD | No Foil |
| Mainsail furler | No | MDL1 | 0.110 | SFJ | |
| Articulated bowsprit | No | MDT2 | | SPL | 2.750 |
| Non-circular rigging | No | MDL2 | | WPL | |
| Fiber rigging | No | TL | No Taper | TPS | |
| Runners/Checkstays | 0 | MW | | BD | |
| Spreaders | 1 | GO | | MWT | |
| | | | | MCG | |

FLOTATION AND STABILITY

| | | | | | |
|--------------------|----------------------|-------|---------------|-------|--------------|
| Calculation method | VCG estimated | SFFP | 0.500 | SAFP | 7.360 |
| Flotation Date | 20.05.2022 | FFM | 1.114 | FAM | 0.847 |
| Measurer | | FF | 1.119 | FA | 0.850 |
| Comment | | LCFcl | 4.212 | LCFsh | 4.375 |
| | | SG | 1.0000 | HBI | 1.076 |

Club
Certificate
2022

Boat
WESTA
RUS 304

Novokolomiazhskii av 11-70
St-Petersburg
Russia

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>Maker</i> | <i>Material</i> | <i>Comment</i> |
|-----------|------------|------------|------------|------------|------------|-------------|------------------|--------------|-----------------|----------------|
| 1 | 0.13 | 0.56 | 1.03 | 1.87 | 2.50 | 13.35 | | | Unknown | |

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</i> | <i>FT</i> | <i>Area</i> | <i>Meas.Date</i> | <i>Maker</i> | <i>Material</i> | <i>Comment</i> |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|-----------|-------------|------------------|--------------|-----------------|----------------|
| 1 | 0.00 | 0.39 | 0.78 | 1.66 | 2.68 | 3.79 | 8.23 | No | No | | 14.58 | | | Unknown | |
| 2 | 0.00 | 0.34 | 0.73 | 1.51 | 2.33 | 3.20 | 6.30 | No | No | | 9.76 | | | Unknown | |

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>Maker</i> | <i>Material</i> | <i>Comment</i> |
|-----------|------------|------------|-----------|------------|------------|-------------|------------------|--------------|-----------------|----------------|
| 1 | 7.74 | 7.74 | 7.74 | 4.60 | 4.80 | 29.93 | | | Unknown | RUS 1275 |