

| BOAT                     |
|--------------------------|
| Name <b>DESTIN</b>       |
| Sail Nr <b>NOR 12343</b> |

| GPH          |
|--------------|
| <b>538,0</b> |

| HULL              |               |      |             |
|-------------------|---------------|------|-------------|
| Length Overall    | 13,071 m      |      |             |
| Maximum Beam      | 3,852 m       |      |             |
| Displacement      | 8 270 kg      |      |             |
| Draft             | 2,755 m       |      |             |
| IMS Reg. Division | Cruiser/Racer |      |             |
| Dynamic Allowance | 0,179%        |      |             |
| Fwd Accommodation | Yes           |      |             |
| Hull Construction | Cored         |      |             |
| Carbon Rudder     |               |      |             |
| Trim Tab          |               |      |             |
| IMS L             | 11,929        | VCGD | -0,595      |
| VCGM              | -0,565        | Sink | 24,08 kg/mm |
| Wetted Area       | 34,89 m²      |      |             |

| GENERAL                                             |
|-----------------------------------------------------|
| Class <b>Landmark 43</b>                            |
| Designer <b>M.Mills</b>                             |
| Builder <b>Premier Composites</b>                   |
| Series <b>08.2008</b>                               |
| Age <b>06.2009</b>                                  |
| Age Allowance <b>0,195%</b>                         |
| Offset File <b>LAND43.OFF - 25.04.2009 09:48:48</b> |
| Measurement by <b>Boymo - 15.05.2011</b>            |



World Leader in Rating Technology

**2011**  
ORC International  
Certificate

| SCORING OPTIONS  |                                     |                  |                |                               |                  |                |
|------------------|-------------------------------------|------------------|----------------|-------------------------------|------------------|----------------|
|                  | OFFSHORE<br>COASTAL / LONG DISTANCE |                  |                | INSHORE<br>WINDWARD / LEEWARD |                  |                |
| Time On Distance | 538,0                               |                  |                | 587,5                         |                  |                |
| Time On Time     | 1,1153                              |                  |                | 1,1490                        |                  |                |
| Performance Line | PLT<br>0,969                        | PLD<br>96,4      |                | PLT<br>1,030                  | PLD<br>237,2     |                |
| Triple Number    | Low<br>1,0949                       | Medium<br>1,4153 | High<br>1,6029 | Low<br>0,8384                 | Medium<br>1,1419 | High<br>1,3157 |

Rating Office

**NORC**



NORWEGIAN OFFSHORE  
RACING CLUB

| TIME ALLOWANCES |       |       |       |       |       |       |       |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| Wind Velocity   | 6 kt  | 8 kt  | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG        | 934,1 | 745,4 | 658,7 | 620,5 | 597,4 | 582,8 | 583,4 |
| 52°             | 602,5 | 498,6 | 457,0 | 438,5 | 427,9 | 420,7 | 415,0 |
| 60°             | 560,3 | 480,4 | 443,0 | 422,7 | 412,8 | 405,8 | 398,4 |
| 75°             | 529,8 | 468,5 | 434,8 | 409,3 | 391,9 | 383,7 | 373,8 |
| 90°             | 519,4 | 449,2 | 428,7 | 414,1 | 393,7 | 375,0 | 351,1 |
| 110°            | 519,4 | 453,4 | 411,2 | 389,0 | 372,9 | 362,1 | 341,2 |
| 120°            | 545,0 | 460,7 | 415,7 | 384,8 | 365,1 | 352,6 | 325,0 |
| 135°            | 611,7 | 498,0 | 447,3 | 415,5 | 389,3 | 364,1 | 299,2 |
| 150°            | 745,7 | 588,7 | 501,7 | 457,4 | 428,5 | 404,6 | 350,4 |
| Run VMG         | 861,1 | 679,8 | 579,3 | 523,4 | 480,7 | 449,0 | 402,3 |

Certificate

Number **12343**  
ORC Ref **NOR00000217**  
Issued On **19.05.2011**  
VPP Ver. **2011 1.02**  
Valid until **31.12.2011**

Crew Weight

Declared **900 kg**  
Default\* **876 kg**  
Non Manual Power **No**

Special Scoring

|                |              |               |
|----------------|--------------|---------------|
|                | ToD          | ToT           |
| Double Handed  | <b>541,4</b> | <b>1,1083</b> |
| Non Spinnaker  | <b>582,1</b> | <b>1,0307</b> |
| N/S Perf. Line | <b>51,8</b>  | <b>0,818</b>  |

| Selected Courses   |       |       |       |       |       |       |       |
|--------------------|-------|-------|-------|-------|-------|-------|-------|
| Windward / Leeward | 913,1 | 725,8 | 630,0 | 578,5 | 545,2 | 521,8 | 498,4 |
| Circular Random    | 742,1 | 598,7 | 522,0 | 477,3 | 449,1 | 429,7 | 403,2 |
| Ocean for PCS      | 792,4 | 625,6 | 533,2 | 476,5 | 438,1 | 409,0 | 363,4 |
| Non Spinnaker      | 825,1 | 656,1 | 563,4 | 508,2 | 473,3 | 450,1 | 421,6 |

Sails Limitations

|          |          |            |
|----------|----------|------------|
| Genoa    | Jibs     | Spinnakers |
| <b>0</b> | <b>5</b> | <b>4</b>   |

Spinnaker configuration  
**Asymmetric-CL**

| Velocity Prediction in Knots for True Wind Speeds |        |        |        |        |        |        |        |
|---------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Wind Velocity                                     | 6 kt   | 8 kt   | 10 kt  | 12 kt  | 14 kt  | 16 kt  | 20 kt  |
| Beat Angles                                       | 44,0°  | 42,8°  | 39,2°  | 37,3°  | 36,3°  | 35,2°  | 36,1°  |
| Beat VMG                                          | 3,85   | 4,83   | 5,47   | 5,80   | 6,03   | 6,18   | 6,17   |
| 52°                                               | 5,98   | 7,22   | 7,88   | 8,21   | 8,41   | 8,56   | 8,68   |
| 60°                                               | 6,43   | 7,49   | 8,13   | 8,52   | 8,72   | 8,87   | 9,04   |
| 75°                                               | 6,79   | 7,68   | 8,28   | 8,79   | 9,19   | 9,38   | 9,63   |
| 90°                                               | 6,93   | 8,01   | 8,40   | 8,69   | 9,14   | 9,60   | 10,25  |
| 110°                                              | 6,93   | 7,94   | 8,75   | 9,25   | 9,65   | 9,94   | 10,55  |
| 120°                                              | 6,61   | 7,81   | 8,66   | 9,36   | 9,86   | 10,21  | 11,08  |
| 135°                                              | 5,89   | 7,23   | 8,05   | 8,66   | 9,25   | 9,89   | 12,03  |
| 150°                                              | 4,83   | 6,12   | 7,18   | 7,87   | 8,40   | 8,90   | 10,27  |
| Run VMG                                           | 4,18   | 5,30   | 6,21   | 6,88   | 7,49   | 8,02   | 8,95   |
| Gybe Angles                                       | 136,0° | 142,7° | 148,7° | 157,3° | 164,5° | 169,0° | 170,0° |

Storm Sails Areas

Heavy Weather Jib **39,04**  
Storm Jib (JL=11,05) **14,46**  
Storm Trysail **18,64**

Owner

**Tore Kandahl**  
**VESTRE HALS 1B**  
**1397 NESØYA**

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

|             |                     |         |                         |
|-------------|---------------------|---------|-------------------------|
| <b>BOAT</b> |                     |         |                         |
| Name        | <b>DESTIN</b>       | Sail Nr | <b>NOR 12343</b>        |
| File        | <b>NOR12343.dxt</b> | Data in | <b>meters/kilograms</b> |

|                      |                    |                  |               |
|----------------------|--------------------|------------------|---------------|
| <b>RIG</b>           |                    |                  |               |
| Forestay Tension     | <b>Aft</b>         | Spreaders        | <b>2</b>      |
| Inner Forestay       | <b>None Fitted</b> | Runners          | <b>0</b>      |
| Carbon Mast          | <b>Yes</b>         | Jumper Struts    | <b>None</b>   |
| Taper Hollows        |                    | Jib Furler       |               |
| Fiber Rigging        | <b>No</b>          | Main Furler      | <b>No</b>     |
| Lenticular Rigging   | <b>No</b>          | Without Backstay | <b>No</b>     |
| Articulated Bowsprit | <b>No</b>          |                  |               |
| P                    | <b>17,350</b>      | E                | <b>6,140</b>  |
| IG                   | <b>17,005</b>      | J                | <b>4,735</b>  |
| ISP                  | <b>19,215</b>      | SFJ              | <b>0,320</b>  |
| SPS                  |                    | SPL              | <b>0,000</b>  |
| BAS                  | <b>1,960</b>       | TPS              | <b>6,960</b>  |
| BAL                  | <b>0,152</b>       | FSP              | <b>0,070</b>  |
| MDT1                 | <b>0,120</b>       | MDL1             | <b>0,255</b>  |
| TL                   | <b>2,070</b>       | MWT              | <b>214,20</b> |
| MDT2                 | <b>0,120</b>       | MCG              | <b>6,570</b>  |
| MDL2                 | <b>0,195</b>       | CPW              |               |
| MW                   | <b>0,255</b>       | BD               | <b>0,300</b>  |
| GO                   | <b>0,255</b>       | BWT              |               |

|                             |  |  |  |
|-----------------------------|--|--|--|
| <b>MIZZEN RIG AND SAILS</b> |  |  |  |
| N/A                         |  |  |  |

|                 |  |  |  |
|-----------------|--|--|--|
| <b>COMMENTS</b> |  |  |  |
|                 |  |  |  |

|                                         |                   |      |                      |
|-----------------------------------------|-------------------|------|----------------------|
| <b>INCLINING TEST AND FREEBOARDS</b>    |                   |      |                      |
| Inclining Test <b>Current Inclining</b> |                   |      |                      |
| Flotation date                          | <b>15.05.2011</b> | SG   | <b>1,0130</b>        |
| FFM                                     | <b>1,361</b>      | FF   | <b>1,366</b>         |
| FAM                                     | <b>1,155</b>      | FA   | <b>1,158</b>         |
| SFFP                                    | <b>1,000</b>      | SAFP | <b>12,850</b>        |
| W1                                      | <b>128,80</b>     | PD1  | <b>536,5</b>         |
| W2                                      | <b>128,80</b>     | PD2  | <b>538,2</b>         |
| W3                                      | <b>128,80</b>     | PD3  | <b>539,5</b>         |
| W4                                      | <b>128,80</b>     | PD4  | <b>535,7</b>         |
| WD                                      | <b>13,250</b>     | GSA  | <b>1,0</b>           |
|                                         |                   | RSA  | <b>1,0</b>           |
|                                         |                   | PLM  | <b>9000,0</b>        |
| Maximum beam station from stem          |                   |      | <b>8,501</b>         |
| RM Measured / Default                   |                   |      | <b>250,1 / 215,4</b> |
| Limit of positive stability             |                   |      | <b>145,0°</b>        |
| Stability Index                         |                   |      | <b>149,5</b>         |
| Freeboard at mast at 5,055              |                   |      | <b>1,253</b>         |

|                  |                |      |               |
|------------------|----------------|------|---------------|
| <b>PROPELLER</b> |                |      |               |
| Installation     | <b>Strut</b>   | PRD  | <b>0,400</b>  |
| Type             | <b>Folding</b> | PBW  |               |
| Twin Screw       |                | PIPA | <b>0,0039</b> |
| ST1              | <b>0,065</b>   | ST3  | <b>0,180</b>  |
| ST2              | <b>0,180</b>   | ST4  | <b>0,110</b>  |
|                  |                | ST5  | <b>0,255</b>  |
|                  |                | EDL  | <b>2,700</b>  |

|                      |  |  |  |
|----------------------|--|--|--|
| <b>WATER BALLAST</b> |  |  |  |
| N/A                  |  |  |  |

|                    |  |  |  |
|--------------------|--|--|--|
| <b>CENTERBOARD</b> |  |  |  |
| N/A                |  |  |  |



World Leader in Rating Technology

# 2011

## IMS Measurement Certificate

**Certificate**  
 Number **12343**  
 ORC Ref **NOR00000217**  
 Issued On **19.05.2011**  
 VPP Ver. **2011 1.02**  
 Valid until **31.12.2011**



**NORC**  
NORWEGIAN OFFSHORE RACING CLUB

|                              |       |       |       |       |       |       |        |          |                                                                                                            |
|------------------------------|-------|-------|-------|-------|-------|-------|--------|----------|------------------------------------------------------------------------------------------------------------|
| <b>SAILS (Maximum Areas)</b> |       |       |       |       |       |       |        |          |                                                                                                            |
| Mainsail                     | HB    | MGT   | MGU   | MGM   | MGL   | MSW   | Area   | Area (r) | Formula                                                                                                    |
|                              | 0,000 | 1,36  | 2,34  | 3,99  | 5,19  | 0,00  | 64,03  | 65,41    | $P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$                           |
| Jib/Genoa                    | JH    | JGT   | JGU   | JGM   | JGL   | JL    | LPG    |          |                                                                                                            |
|                              | 0,00  | 0,64  | 1,27  | 2,55  | 3,83  | 17,39 | 5,10   | 44,34    | $0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$ |
| Asymmetric                   | SLU   | SLE   | ASL   | AMG   | ASF   |       |        |          |                                                                                                            |
|                              | 21,40 | 18,06 | 19,73 | 12,37 | 11,18 |       | 199,47 |          | $ASL \cdot (ASF + 4 \cdot AMG) / 6$                                                                        |

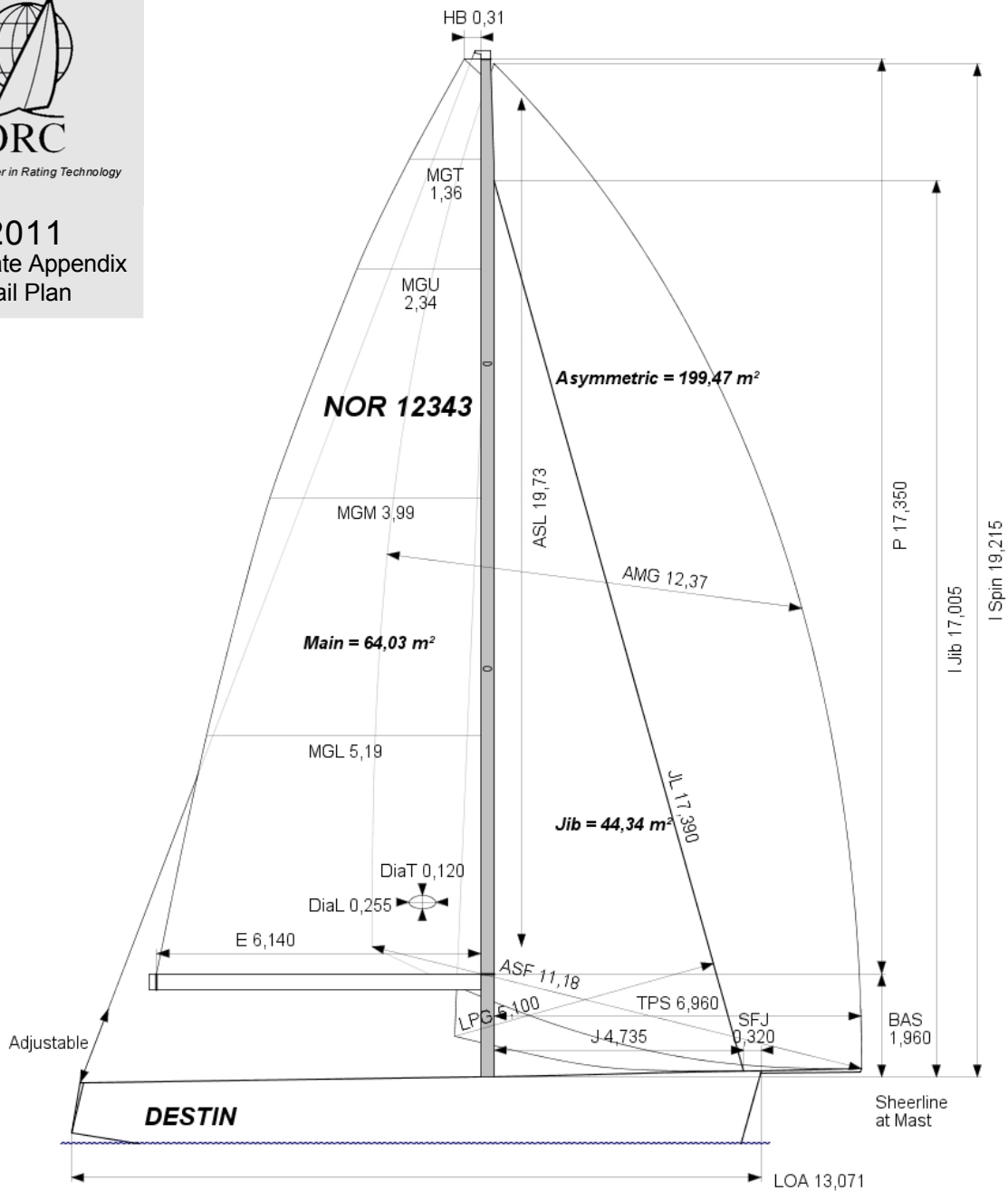
| MEASUREMENT INVENTORY                                         |           |             |                                  |              |
|---------------------------------------------------------------|-----------|-------------|----------------------------------|--------------|
| Measurer <b>Boymo PB</b><br>Date <b>15.05.2011</b><br>Comment |           |             |                                  |              |
| Id                                                            | Item      | Weight      | Distanc                          | Description  |
| 1                                                             | Chain     | 10,0        | 6,40                             | lead rope in |
| 1                                                             | Tools     | 3,0         | 4,75                             | Behind mast  |
| Id                                                            | Item      | Maker       | Model                            |              |
| 1                                                             | Engine    | Volvo Penta | D2-40                            |              |
| Id                                                            | Item      | Weight      | Description                      |              |
| 1                                                             | Deck Gear | 5,0         | 1 set sheets pluss winch handles |              |

| MEASUREMENT INVENTORY |             |           |           |                              |       |       |                   |
|-----------------------|-------------|-----------|-----------|------------------------------|-------|-------|-------------------|
| Id                    | Item        | Tank Use  | Tank Type | Capct                        | Dist. | Condt | Description       |
| 1                     | Liquid Tank | Hot Water | SS        | 35,0                         | 9,10  | 0,0   |                   |
| 2                     | Liquid Tank | Water     | Flexible  | 150,0                        | 10,20 | 0,0   | stb               |
| 3                     | Liquid Tank | Water     | Flexible  | 150,0                        | 10,20 | 0,0   | port              |
| 4                     | Liquid Tank | Diesel    | Plastic   | 170,0                        | 10,20 | 15,0  |                   |
| 5                     | Liquid Tank | Waste     | Plasic    | 80,0                         | 5,60  | 0,0   | Toilet waste tank |
| Id                    | Item        | Weight    | Distanc   | Description                  |       |       |                   |
| 1                     | Battery     | 35,0      | 7,80      | 2 105 Ah under chartb. setee |       |       |                   |



World Leader in Rating Technology

# 2011 Certificate Appendix Sail Plan



## SAILS INVENTORY

### MAINSAIL

| Id  | HB | MGT  | MGU  | MGM  | MGL  | MSW  | Area  | Measurer | Meas.Date | Manufacture | Material | Comment |
|-----|----|------|------|------|------|------|-------|----------|-----------|-------------|----------|---------|
| ORC |    | 1,36 | 2,34 | 3,99 | 5,19 | 0,00 | 64,03 |          |           | North       | Carbon   |         |

### JIBS / GENOAS

| Id | JH | JGT | JGU | JGM | JGL | LPG  | JL    | Overlp | Area  | Measurer | Meas.Date | Manufacture | Material | Comment |
|----|----|-----|-----|-----|-----|------|-------|--------|-------|----------|-----------|-------------|----------|---------|
| 1  |    |     |     |     |     | 4,80 | 17,02 | 101%   | 40,85 |          |           | North       | Carbon   |         |
| 2  |    |     |     |     |     | 5,10 | 17,39 | 108%   | 44,35 |          |           | North       | Carbon   |         |

### SYMMETRIC SPINNAKERS

| Id | SL | SMG | SF | Area | Measurer | Meas.Date | Manufacture | Material | Comment |
|----|----|-----|----|------|----------|-----------|-------------|----------|---------|
|----|----|-----|----|------|----------|-----------|-------------|----------|---------|

### ASYMMETRIC SPINNAKERS

| Id | SLU   | SLE   | ASL   | AMG   | ASF   | Area   | Kind | Measurer | Meas.Date | Manufacture | Material   | Comment |
|----|-------|-------|-------|-------|-------|--------|------|----------|-----------|-------------|------------|---------|
| 1  | 21,40 | 18,06 | 19,73 | 12,37 | 11,18 | 199,47 | asym |          |           |             | Unknown    |         |
| 2  | 18,70 | 16,00 | 17,35 | 11,00 | 12,40 | 163,09 | asym |          |           |             | Poly ester |         |
| 3  | 20,65 | 17,80 | 19,23 | 9,89  | 10,90 | 161,68 | asym |          |           |             | Poly ester |         |