



# INSPECTION REPORT

## PG PARAGLIDERS

Inspection report number: **PG\_960.2015**

**SAMPLE DATA**

Manufacturer name: **Niviuk Gliders**

Representative **Dominique Cizeau**

Street: **C. Del Ter, 6-Nave D**

Post code / place: **17165 La Cellera de Ter Girona**

Country: **Spain**

Gliders Manufacturers name: **Ikuma**

Gliders Manufacturers Size: **25**

Category: **B**

Maximum weight in flight (kg): **100**

Minimum weight in flight (kg): **80**

Sample flight serial number: **Toniuk 6-25**

Sample load serial number: **Toniuk 4-25**

Weight of the paraglider (kg): **4.8**

Place of declaration: **Villeneuve**

Director management : **Alain Zoller**

Date of issue: **13.11.2015**

Signature:

**Air Turquoise SA**, having thoroughly assessed the sample mentioned hereunder, declare it was found conform with all requirements defined by the following norms:

**EN 926-2 |2013 & EN 926-1|2006 and LTF NFL II 91/09 chapter 3 Paraglider and Appendix 1 and 2**

Present declaration's scope only extends to the conformity of a given sample, on a given date and in a given place – as mentioned here above.

This inspection report contain the following test and is complet with the test report number PG1 to PG2, 71.8.2 Flight test report, 71.4.3 PG MEASUREMENT and 71.6.3 PG LINE BREAKING STRENGHT

| INSPECTION REPORT:       | RESULTS         | INSPECTORS | PLACE            | DATE       |
|--------------------------|-----------------|------------|------------------|------------|
| FLIGHT TEST:             | <b>B</b>        | CT AZ      | Villeneuve       | 09.07.2015 |
| PG 1 SHOCK TEST          | <b>POSITIVE</b> | AZ         | Yverdon(airport) | 19.06.2015 |
| PG 2 SUSTAINED LOAD TEST | <b>POSITIVE</b> | AZ         | Yverdon(airport) | 19.06.2015 |
| MEASUREMENT              | <b>POSITIVE</b> | CT         | Villeneuve       | 01.09.2015 |
| LINE BREAKING STRENGTH   | <b>POSITIVE</b> | AZ         | Villeneuve       | 18.08.2015 |

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End of inspection



## Shock test

PG PARAGLIDERS

### TEST REPORT PG 1

Inspection report number: **PG\_960.2015**

#### SAMPLE DATA

Manufacturer name: **Niviuk Gliders**  
 Representative **Dominique Cizeau**  
 Street: **C. Del Ter, 6-Nave D**  
 Post code / place: **17165 La Cellera de Ter Girona**  
 Country: **Spain**  
 Gliders Manufacturers name: **Ikuma**  
 Gliders Manufacturers Size: **25**  
 Gliders Manufacturers max load (kg): **100**  
 Gliders Manufacturers serial number: **Toniuk 4-25**  
 Date of sample reception: **23.06.2015**  
 Directive: **EN 926-1:2006 | LTF NFL II-91/09 chapter 3**  
 Place of inspection: **Yverdon(airport)**  
 Date inspection: **19.06.2015**

Results: **POSITIVE**

Inspector: **Alain Zoller**

Signature:

The paraglider is subjected to a shock load using procedure A (EN 926-1/2006). Shock load is limited using a wink link accordind weight range. The wing is then visually inspected for damage.

#### TEST ATMOSPHERE AGL

[C°] **15**  
 RH [%] **59**  
 [hPa] **975.4**  
 Wind [m/s] **0.2**

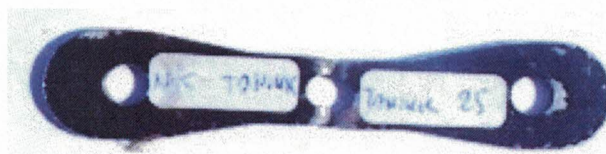
#### RESULTS:

Weak link [daN]: **1000**  
 Uncertainty [%] **10**  
 Visual inspection: **No visible damages**

#### INSTRUMENTS

|                     | Validity   | Manufacturer | s/n |
|---------------------|------------|--------------|-----|
| Weak links          | 2020       | Tost         | n/a |
| Cable               | 2020       | Rotex        | n/a |
| Geos n° 11 Skywatch | 08.05.2017 | JDC elec.    | 22  |

#### WEAK LINK





# Sustained loading test

PG PARAGLIDERS

## TEST REPORT PG 2

Inspection report number: PG\_960.2015

### SAMPLE DATA

Manufacturer name: Niviuk Gliders  
 Representative: Dominique Cizeau  
 Street: C. Del Ter, 6-Nave D  
 Post code / place: 17165 La Cellera de Ter Girona  
 Country: Spain  
 Gliders Manufacturers name: Ikuma  
 Gliders Manufacturers Size: 25  
 Gliders Manufacturers max load (kg): 100  
 Gliders Manufacturers serial number: Toniuk 4-25  
 Date of sample reception: 23.06.2015  
 Directive: EN 926-1:2006 | LTF NFL II-91/09 chapter 3  
 Place of inspection: Yverdon(airport)  
 Date inspection: 19.06.2015  
 Results: POSITIVE  
 Inspector: Alain Zoller

Signature:

The load exceeds a mean load factor of eight times the maximum total weight in flight recommended by the manufacturer, for a minimum continuous duration of 3 s or five peaks are obtained above ten times the maximum total weight in flight recommended by the manufacturer, in one run. The paragliders is connected to a loa sensor which connected to a test vehicle. The load is inscreased with the speed of the test vehicule an inflated wing.

### TEST ATMOSPHERE AGL

[C°] 15  
 RH [%] 59  
 [hPa] 975.4  
 Wind [m/s] 0.2

### RESULTS [daN]

Required breaking strength during 3 secondes 1186.00  
 Uncertainty 95 [%] 39.5  
 Test STRENGTH min 3 [s] 8.97  
 Test STRENGTH max peak 1221.35  
 Maximum load in kg 148.25



## Sustained loading test

PG PARAGLIDERS

### TEST REPORT PG 2

Inspection report number: PG\_960.2015

| INSTRUMENTS                           | Validity   | Manufacturer         | S/N     |
|---------------------------------------|------------|----------------------|---------|
| Shear loadcell "Lastmessschäkel"      | 01.12.2016 | Althen               | 20562   |
| Signal Amplifier "DMS-Messverstärker" | 01.12.2016 | Althen               | 4310M41 |
| Data Acquisition "DAQMX"              | 01.12.2016 | National instruments | 15578F0 |
| Geos n° 11 Skywatch                   | 08.05.2017 | JDC elec.            | 22      |

### GRAPHIQUE LOAD

