

INSPECTION REPORT

PG PARAGLIDERS

Inspection report number: **PG_944.2015**

SAMPLE DATA

Manufacturer name: **Gradient f.r.o.**

Contact person **Ondrej Dupal**

Street **Plzeňská 221/130**

Post code / place **150 00 Praha 5 - Motol**

Country **Czech republic**

Gliders Manufacturers name: **Avax XC5**

Gliders Manufacturers Size: **28**

Category: **D**

Maximum weight in flight (kg): **120**

Minimum weight in flight (kg): **98**

Sample flight serial number: **44281504044**


Sample load serial number: **44281505008**

Weight of the paraglider (kg): **4.3**

Place of declaration: **Villeneuve**

Director management : **Alain Zoller**

Date of issue: **12.08.2015**

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 Apendix 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:	D	CT AZ	Villeneuve	16.05.2015
PG 1 SHOCK TEST	POSITIVE	AZ	Yverdon(airport)	19.05.2015
PG 2 SUSTAINED LOAD TEST	POSITIVE	AZ	Yverdon(airport)	19.06.2015
MEASUREMENT	POSITIVE	CT	Villeneuve	23.06.2015
LINE BREAKING STRENGTH	POSITIVE	AZ	Villeneuve	29.07.2015

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End of inspection

Shock test

PG PARAGLIDERS

TEST REPORT PG 1

Inspection report number: PG_944.2015

SAMPLE DATA

Manufacturer name: Gradient f.r.o.
Contact person: Ondrej Dupal
Street: Plzeňská 221/130
Post code / place: 150 00 Praha 5 - Motol
Country: Czech republic
Gliders Manufacturers name: Avax XC5
Gliders Manufacturers Size: 28
Gliders Manufacturers max load (kg): 120
Gliders Manufacturers serial number: 44281505008
Date of sample reception: 07.05.2015
Directive: EN 926-1:2006 | LTF NFL II-91/09 chapter 3
Place of inspection: Yverdon(airport)
Date inspection: 19.05.2015
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°] 14.5
RH [%] 79
[hPa] 973
Wind [m/s] 0

RESULTS:

Weak link [daN]: 800
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

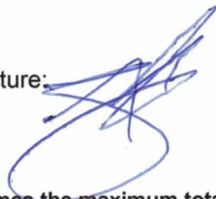
TEST REPORT PG 2

Inspection report number: **PG_944.2015**

SAMPLE DATA

Manufacturer name: **Gradient f.r.o.**
Contact person: **Ondrej Dupal**
Street: **150 00 Praha 5 - Motol**
Post code / place: **150 00 Praha 5 - Motol**
Country: **Czech republic**
Gliders Manufacturers name: **Avax XC5**
Gliders Manufacturers Size: **28**
Gliders Manufacturers max load (kg): **120**
Gliders Manufacturers serial number: **44281505008**
Date of sample reception: **19.06.2015**
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 increased with the speed of the test vehicle an inflated wing.

TEST ATMOSPHERE AGL

[C°] **12**
RH [%] **66**
[hPa] **972**
Wind [m/s] **2**

RESULTS [daN]

Required breaking strength during 3 secondes **941.76**
Uncertainty 95 [%] **39.5**
Test STRENGTH min 3 [s] **3.26**
Test STRENGTH max peak **1100.80**

Sustained loading test

PG PARAGLIDERS

TEST REPORT PG 2

Inspection report number: PG_944.2015

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

