



## Towing release system strength test

Identification number: **MISC\_186.2021**

**Test Report**

### Manufacturer data:

Manufacturer name: **Oekosoft AG**  
 Representative: **Walter Stucki**  
 Street: **Schachenweg 57**  
 Post code place: **8400 Winterthur**  
 Country: **Switzerland**

| Sample data                                   | Test Data                         | Atmosphere AGL    |
|---|-----------------------------------|-------------------|
| name of releasing system: <b>G-Link</b>       | Place of test: <b>Villeneuve</b>  | <b>21</b> [°C]    |
| Serial number: <b>133577-001</b>              | Date of test: <b>21.05.2021</b>   | <b>44</b> RH [%]  |
| Overall length [cm]: <b>148</b>               | Inspector: <b>Nicolas Jacquod</b> | <b>1004</b> [hPa] |
| Distance of attachment points [cm]: <b>45</b> |                                   |                   |
| Weight of Sample [g]: <b>58</b>               |                                   |                   |
| Date of reception: <b>11.05.2021</b>          |                                   |                   |

### Test summary

#### Release test

| Test id | NfL 2-565-20 | Setup                   | Min. Load [N] | Max. Load [N] | Measured [N] | Result   |
|---------|--------------|-------------------------|---------------|---------------|--------------|----------|
| RT      | 8.1.1        | Positive symmetric load | 10            | 70            | 56.62        | POSITIVE |

#### Strength test

| Test id | NfL 2-565-20 | Setup                   | Req. Load [N] | Measured [N] | Result   |
|---------|--------------|-------------------------|---------------|--------------|----------|
| ST      | 8.1.4        | Positive symmetric load | 3000          | 3929.03      | POSITIVE |

Place of declaration: **Villeneuve**  
 Date of issue: **01.06.2021**  
 Managing director: **Alain Zoller**

Signature:

| Manufacturer  | Instrument           | Type no            | S/N      | Validity   |
|---------------|----------------------|--------------------|----------|------------|
| HBM           | Load Sensor GE01     | 1-S9M/50KN-1       | 31314643 | 04.09.2023 |
| Burster / MTS | Load sensor 10kN SL2 | 8431-6010-N000S000 | 593507   | 21.04.2026 |

"This inspection certificate is NOT covered by accreditation D-IS-19457-01."

Air Turquoise SA has thoroughly tested the sample of towing release system mentioned above and certifies its conformity with the standards: **NfL 2-565-20**

Calculated value include the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

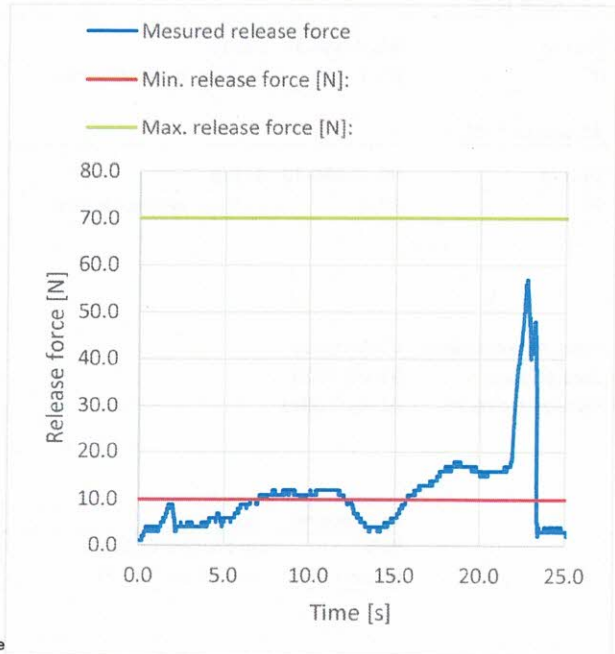
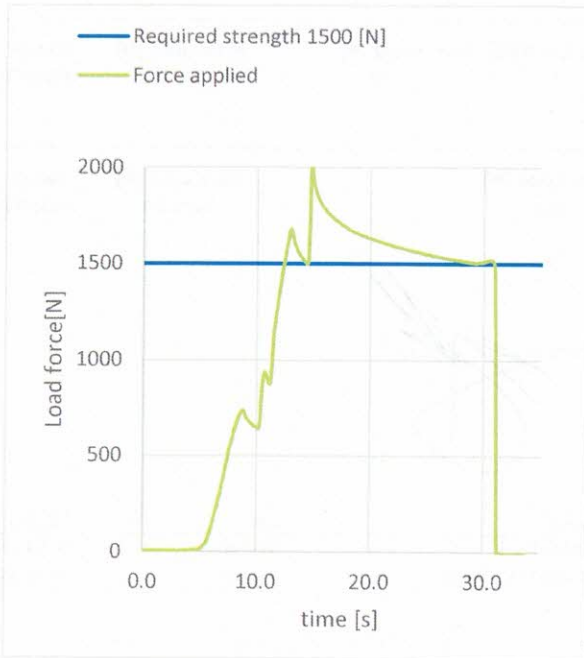


Model: **G-Link**

**Release test**

**Test ID RT**

|                         |  |
|-------------------------|--|
| Standard                | <b>NfL 2-565-20</b>  |
| Reference in standard   | <b>8.1.1</b>   |
| Test setup              | <b>Positive symmetric load</b>   |
| Attachment points       | <b>One sensor is attached to the winch system to measure the load and the second to the release system to measure the release force.</b><br>When the system is loaded with a force of 1500N it must be able to be released with a force between 10N and 70N. |
| Required load [N]:      | <b>1500</b>  |
| Min. release force [N]: | <b>10</b>  |
| Max. release force [N]: | <b>70</b>  |
| <b>Result</b>           |  |
| Releasing force [N]:    | <b>56.6</b>  |
| Test results            | <b>POSITIVE</b>  |



The validation of this test report is given by the signature of the test manager on the first page

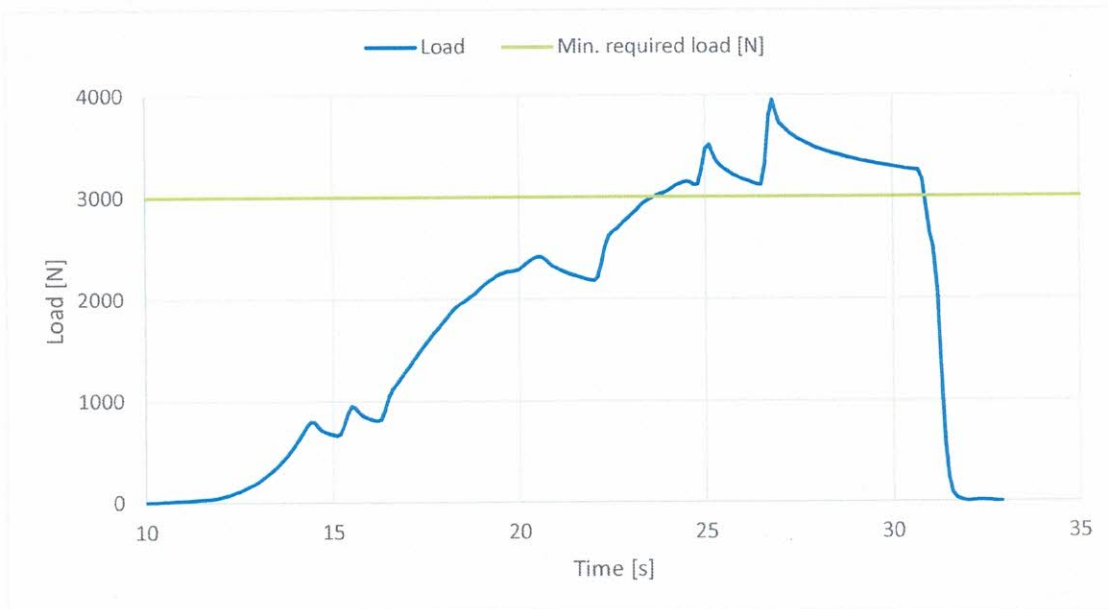


Model: **G-Link**

**Strength test**

**Test ID ST**

|                        |  |
|------------------------|--|
| Standard               | <b>NfL 2-565-20</b>  |
| Reference in standard  | <b>8.1.4</b>   |
| Test setup             | <b>Positive symmetric load</b>   |
| Attachment points      | <b>The sensor is attached to the tow release to measure the load</b><br>The tow release has to have a breaking load greater than 3000 N for winch towing |
| Min. required load [N] | <b>3000</b>  |
| <b>Result</b>          |  |
| Max. applied load [N]  | <b>3929.03</b>   |
| Test results           | <b>POSITIVE</b>  |



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