

Requested by Avant Tecno Oy
Ylötie 1
FI-33470 YLÖJÄRVI

Order IVX7PT190027-01

Contact person **Eurofins Expert Services Oy**
Kari Maunula
Vakolantie 55
FI-03400 Vihti
Tel. +358400-770784
Email KariMaunula@eurofins.fi

Assignment Earth-moving Forest Agricultural tractor machinery – Falling-object protective structures

FOPS test report for ISO 3449:2005 (1365 J)



Avant 850/860i

1 Identification



The results are only valid for the tested sample(s).
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1.1 Machine

| | |
|----------------------------|------------------------------|
| Type | Wheeled earth-moving machine |
| Manufacturer | Avant Tecno Oy |
| Models | Avant 850, 860i |
| Serial number | proto |
| Machine frame part numbers | A437664 A21732 |

1.2. FOPS

| | |
|-------------------|------------------------------|
| Manufacturer | Avant Tecno Oy |
| Model | Avant 850/860i |
| Serial number | proto |
| FOPS part numbers | 433787 A434200 A436900 |
| Location of DLV | A439233 |

2 Information supplied by test facility

2.1 Test object description

| | |
|---|----------|
| Performance level tested | I |
| Mass | 45 |
| Drop height | 3117 mm |
| Test object dimensions | Ø 204 mm |
| Documentation of impact location showing location relative to DLV | |



2.2 Photographs

Test object and test arrangement before application of test.



Top and bottom of FOPS structure after the test.



2.3 Test results

2.3.1 Impact test

Energy imparted to the test object without causing penetration of any part of the FOPS structure into the DLV nor penetration of the FOPS by the test object: 1365 J.

2.3.2 Material criteria

The test was performed with FOPS and machine frame members soaked to -18°C .

3 Conclusion

| | |
|---|----------------------------|
| Remarks and deviations | No remarks and deviations. |
| Submitted for test by | Avant Tecno Oy |
| Submitted for test on | 01.07.2019 |
| Minimum performance requirements of ISO 3449:2005 (1365 J) were met in this test. | |
| Uncertainty of measurement (k=2): | 1 % |
| Date of test | 03.07.2019 |

Vihti, 31.12.2019



Kari Maunula
Consulting Expert

Appendices A437664
A21732
433787
A434200
A436900
A439233

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