

Expert Services

1 (4)

Requested by Avant Tecno Oy

Ylötie 1

FI-33470 YLÖJÄRVI

Order IVX7PT190027-01

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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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Expert Services

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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





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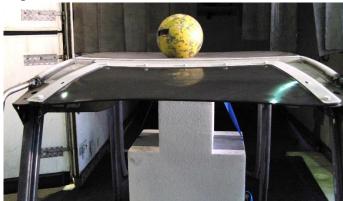
2.2 Photographs

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.





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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

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