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 EFBe Date of Order: 2012-08-09
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Testreport

Computer controlled fatigue test of a
 Bicycle handlebar + stem
 Test item no. 123974

Test sample data

	handlebar	stem
Manufacturer	Lagear	Lagear
Model name	HB-MABR-35	None
Identity no.	None	None
weight (g)	428	220
Suspension	None	
Coating	Yes	Yes
Width / clamping width (mm)	775 / 675	
Clamping torque (Nm)	6	6
Clamping diameter (mm)	35	28,6
Length stem (mm)		50
Remarks	None	

Test description

The handlebar / stem was fatigue tested following EFBe-Standard 7520. This means a computer controlled and documented single stage test (Wöhler-test) with an error less than 1% and a standard deviation less than 0,5%. In case of suspension test samples the test is carried out with spring rate, spring preload and damping at maximum.

Fatigue test handlebar/stem EFBe TP-M (LDKTPM)

The **test arrangement** is loading the handlebar ends antiphase and inphase. It is corresponding to EN 14764, clause 4.7.7.

The **requirements** are corresponding EFBe-class **Top Performance** for **mountain bikes (TP M)**:

	Anti phase	In phase
Top load:	+270 N	+ 450 N
bottom load:	- 270 N	- 450 N
Allocated number of cycles:	100 000	100 000

These requirements are equivalent to the requirements of EN 14766.

Test result:

Anti phase: The allocated number of loads was reached without any crack or fracture.

In phase: The allocated number of loads was reached without any crack or fracture.

The test was passed.

Remarks: None

Test engineer: i.A. V. Stobberg
 End of testing: 2012-08-14

Waltrop 2012-08-24
 stamp, sign

This test report may not be reproduced but with complete wording. It contains the result of a one-time type testing and no statements about quality of serial production components are made. Readings of dimensions, torques and weights without engagement.

Caution!
Fatigue tested parts cannot be used further on.
Acute danger of fracture!