1 LAMBADA MEDIUM CERTIFICATION

Deutscher Hängegleiterverband e.V. im DAeC
DHV / OeAeC-Technikreferat
LBA-anerkannte Prüfstelle für Hängegleiter und Gleitsegel
Beauftragter der österreichischen Luftfahrtbehörde

GS TESTFLUG DHV03 APCO LAMBADA M

Test No	014976-GSTF03-580-mike
Test date	20.06.2005
Type	Apco Lambada M
Test type	GS Testflug DHV03
Order	Auftrag GS Musterprüfung Apco Lambada M, GS Ö MAK Apco Lambada M (Apco Aviation Ltd.)
Customer	Apco Aviation Ltd.
Test standard	Lufttüchtigkeitsforderungen für HG und GS
Expert	Küng
Result	positive
Billing to:	100%
Technical peculiarities	

Datum / Unterschrift (Küng)

DHV test flight main data

Harness type	Liga Integral
Take off weight [kg]	105
Weight limit for certification [kg]	105
Number of pilots	1
Trim speed [km/h]	37
Accelerated speed [km/h]	0
Classification	2

Supplementary remarks

PG test flight specific

Harness category	GH
Accelerator used?	Yes
Trimms	-

DHV PG Test flight 2003 data

Take off

Take off class.	1-2
Inflation	evenly, immediately
Rising behaviour	immediately comes over pilot
Take off speed	average
Take off handling	easy

Straight flight

Straight flight class.	1-2
Speed range	high
Roll damping	average
Pitch damping	average
Yaw stability	average

Turn handling

Turn handling class.	2
Spin tendency	average
Control travel	average
Agility	average
Control pressure increase	average
Control without brakes	control through rear risers possible

Symmetric stall

Deep-stall limit	2
Deep-stall limit	average 60 cm - 75 cm
Full stall limit	average 65 cm - 80 cm
Full stall with full steering way	yes, soft stall
Falling back	average
Increase in steering power	average

Front collapse

Front collapse class.	1-2
Effort	slight
Pre-acceleration	slight
Opening behaviour	spontaneous, delayed

Front collapse (accelerated)

Front collapse accelerated class.	2
Effort	slight
Pre-acceleration	average
Opening behaviour	spontaneous, delayed

Asymmetric collapse

Asymmetric collapse class.	2
Turn tendency	90 - 180 degrees
Change of course	90 - 180 degrees
Rate of turn	average
Max. roll/pitch angle	greater than 45 degrees
Loss of altitude	average
Stabilization	spontaneous
Opening behaviour	spontaneous, delayed

Asymmetric collapse (accelerated)

Asymmetric collapse acc. class.	2
Turn tendency	90 - 180 degrees
Change of course	90 - 180 degrees
Rate of turn	average
Max. roll / pitch angle	greater than 45 degrees
Loss of altitude	average
Stabilization	spontaneous
Opening behaviour	spontaneous, delayed

Countersteering an asymmetric collapse

Countersteering an asymmetric collapse class.	2
Stabilization	countersteering easy
Control travel	average
Control pressure increase	average
Turn in opposite direction	easy, no tendency to stall
Opening behaviour	spontaneous, delayed

Full stall, symm. exit

Fullstall, symm. exit class	1-2
Behaviour	stable
Reaction	average shoot forward
	no collapse
Turn tendency	no turn
Rate of turn	
Loss of altitude	
Stabilization	
Opening behaviour	

Spin out of straight flight

Spin out of straight flight class.	1-2
Rate of turn	average
Exit	turn continues through < 90 degrees
Reaction	average shoot forward to one side
	no collapse
Turn tendency	no turn
Rate of turn	
Loss of altitude	
Stabilization	
Opening behaviour	

Spin out of turn

Spin out of turn class.	1-2
Reaction	slight shoot forward to one side
	no collapse
Turn tendency	no turn
Rate of turn	
Loss of altitude	
Stabilization	
Opening behaviour	

Spiral dive

Spiral dive class.	2
Entry	average
Spin tendency	slight
Exit	turn continues through 180 - 360 degrees
Sink rate after 720 °[m/s]	9

B-line stall

B-line stall class.	1-2
Entry	easy
Exit	spontaneous

Big ears

Big ears	1-2
Entry	easy
Recovery	spontaneous, quickly

Big ears accelerated

Big ears acc. class.	1-2
Entry	easy
Recovery	spontaneous, quickly

Landing

Landing class.	1-2
Point of flare	average
Landing speed	average
Landing behaviour	easy

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Beauftragter der österreichischen Luftfahrtbehörde

GS TESTFLUG DHV03 APCO LAMBADA M

Test No	015044-GSTF03-589-Claude
Test date	22.06.2005
Type	Apco Lambada M
Test type	GS Testflug DHV03
Order	Auftrag GS Musterprüfung Apco Lambada M, GS Ö MAK Apco Lambada M (Apco Aviation Ltd.)
Customer	Apco Aviation Ltd.
Test standard	Lufttüchtigkeitsforderungen für HG und GS
Expert	Thurnheer
Result	positive
Billing to:	100%
Technical peculiarities	

Datum / Unterschrift (Thurnheer)

DHV test flight main data

Harness type	Advance Hi-Comp
Take off weight [kg]	90
Weight limit for certification [kg]	90
Number of pilots	1
Trim speed [km/h]	36
Accelerated speed [km/h]	47
Classification	2

Supplementary remarks

PG test flight specific

Harness category	GH
Accelerator used?	Yes
Trimms	-

DHV PG Test flight 2003 data

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Rising behaviour	immediately comes over pilot
Take off speed	average
Take off handling	average

Straight flight

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Speed range	high
Roll damping	average
Pitch damping	average
Yaw stability	average

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Pre-acceleration	average
Opening behaviour	spontaneous, delayed

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Pre-acceleration	average
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Rate of turn	average
	with deceleration
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Loss of altitude	
Stabilization	
Opening behaviour	

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Opening behaviour	

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Loss of altitude	
Stabilization	
Opening behaviour	

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Point of flare	average
Landing speed	average
Landing behaviour	average

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