Flight Test Report Flight date:										
Pilot name:			•	Location: EDVM			GYRO			
Gyro Type: MTO2010		MTO2017			EDVIVI		_	mbrate calculation cording to DULV TADS		
Rotor:	•	8,4m	8,4m TOPP		6m TOPP	Prop:	HTC	IVO (Ke	ennblattnummer)	
	st data	-,	-, -	· · · · ·		nt 90ka Add	weight to	reach MTOW	, in black fair in lot y	
		Takeoff we	eight for Test	Ctartaare	450k			500kg 560kg		
			<b>. .</b>	-			J	oo en g		
Aircraft	loading for t	est		Empty weight (Kg)			kg			
P1 mas	S		kg	P1 ballast (nose)				kg		
P2 mas	S		kg	P2 ballast				kg		
Fuel	l	Ltrs	kg	Other ball	ast (nose)			kg		
OAT			°C	Operating	hours			h		
Runway	used:			Engine hr	s since new	r:		h		
QNH at airfield				Airframe I	nours since	new:		h		
Wind sp	eed: «	< 20 kts	ok	Crosswind	d <10Kts			ok	If not ok, do not test	
No.	Test		Task		Result					
1	Preparation	on	Check 2nd Fuel pu	ımp	audible cl	neck		ok	nok	
			Low Fuel indicator "OFF" (optional)	Lamp			n.a.	ok	nok	
	2 Engine run & ground checks		Run engine to norr temperatures.	nal operating	Oil pressu	ıre check:		green	above / below	
			Check operation of controls	engine/fuel	Fuel pres	sure check:	n.a.	green	above / below	
			Idle speed range: r 1600-1700 rpm	not below				ok	nok	
			Record mag drops	@ 4000rpm	Mag1 off			<300rpm	>300rpm	
			(Limits: 300 per co	oil)	Mag2 off			<300rpm	>300rpm	
			(115 maximum diffe	erence)	difference	e between		<115rpm	>115rpm	
					Oil temp	check:		above 50°	C above 130°C	
					Water Te	emp check:		above 50°	above	
			Confirm brakes ho	ld at 5,000rpm	Brakes ho	old?		ok	nok	
			Check propeller p - position full fine			t rpm	n.a.	ok	nok	
			Check flying & trim for free and correct	ming controls	Steering (	Check:				
			excess backlash a operation.	•				ok	nok	
3	Ground h	nandling	Check for manoeu		Manoeuv	ring		ok	nok	
			stability under brak		Turning ra	adius		ok	nok	
					Directiona under bra	•		ok	nok	
4	Pre ro	tation	Check functionin	a of rotor pre-		0 (220rpm)		>220rpm	<220rpm	
	opera		rotator med		MTO 201	7 (300rpm)		>300rpm	<300rpm	
			Check clutch LE			etween 200 n clutch eng		ok	nok	
				,	flashing	light > 5000 sengaged		ok	nok	
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5	Take off				
		set Altimeter to	standard Atmosphere		
6	climb	Record the time taken to climb from FI 10 to FI 20 and establish the climb rate. Use full power, if fitted with a pitch adjustable prop, <b>full fine</b> .	Time to climb 1000':	sec	OAT QNH
		climbrate archieved?	Calculated according to the specific AC configuration 04-006	ok	nok
		The climb is to be made at full power, using standard technique as per flight manual. Ensure that engine does not overspeed	5400-5600rpm	ok	nok
			Oil pressure check:	green	above / below
		Instruments readings at the end of climb	Oil temp check:	green / below	above
			CT Water Temp check: min 85°C = ok	green	above / below
		pedals parallel in straight flight, into wind:	tolerance +- 2cm	ok	nok
		Stick central (cruise speed - level flight)	tolerance +- 1cm	ok	nok
		Pitch adjustable propeller, change to full coarse pitch. Engine rpm should not be below 4400 rpm, and a minimum climb rate of 250fpm (1.3m/s)	N/A	ok	nok
7	In Flight	The aircraft should possess an adequate range of control function	roll	yes	no
	manoeuvring	to enable full control about its three axes at all flight speeds.	pitch	yes	no
			yaw	yes	no
		Check for tendency to enter pilot induced oscillation at 55Kts and	55Kts	yes	no
		88Kts, stick free.	88Kts	yes	no
		Control forces during all manoeuvres should be normal for a gyroplane. Monitor control responses and rotor/airframe vibration levels throughout all the following manoeuvres.	control forces	ok	nok
		Cruise: set the aircraft in cruise at 75Kts. Assess ability to trim the aircraft for straight & level flight, hands off.	Trim pressure 6,5bar max	ok	nok
		Assess high speed flight to 90% Vne at FI 10 (do not overspeed the engine, adjust propeller pitch as required - where fitted).	possible to reach Vne N/A	ok	nok

7	In Flight	90% Vne	Vibrations	ok	nok
	manoeuvring	assess turns left and right, and nose up recovery to cruise	Yaw Control	ok	nok
		speed.			
		Record the minimum aircraft speed at maximum engine-power in level flight (Vmin) at FL10. Throttle to max power - not exceed <b>5800rpm</b> . Pitch adjustable prop - set to full fine	Nose up recovery  Vmin	ok	nok
		Reduce airspeed to minimum indicated, at full power. Perform left and right turns and recover aircraft to normal power on cruise attitude. Check effective recovery and controllability.	0 Vne left / right turns	ok	nok
		Dynamic stability: Trim the aircraft for level flight at 92Kts. Initiate a pitch disturbance downwards, stick free. There must be no undamped or divergent phugoid response.	Phugoid test and trim acceptability:	ok	nok
		Steep turns in each direction flying at a constant bank-angle of 45° and at a constant turn-rate.	Steep turns	ok	nok
		Vertical descent at min power and minimum indicated airspeed using standard entry and recovery techniques; (entry at FI 15). Check yaw control left and right	Vertical descent with recovery	ok	nok
		Recovery to stable powered climb following an aborted glide approach (60kts, throttle closed for touchdown). During glide perform left and right turns, and comment on controllability.		ok	nok
		oil temperature minimum 75°C in flight		ok	nok
8	Functional checks	Control: during flight check that all controls including trim systems operate without excessive friction	Control Forces	ok	nok
		or force, and their operation does not provide a distraction to the pilot.	Confirm throttle lever does not move itself	ok	nok
		Instruments: Inspect all instruments and warning lights for correct indications with particular	Any analog dev. n.a. Compass <10°	. ok	nok
		emphasis on the flight instruments	ASI	ok	nok
			Altimeter	ok	nok
			Rotor Tachometer	ok	nok
			Slip Indicator n.a.	. ok	nok
			Fuel Gauge	ok	nok
			Manifold pressure n.a.	ok	nok
			VSI n.a.	- ok	nok
			Fuel Press Gauge n.a.	. ok	nok
9	Radio	Check the radio transmit / receive function to EDVE (120,055) at FI 20 Confirm absence of radio noise at a squelch setting of 3	Radio strength	4-5 ok	1-3 nok

Landing		meter to QNH		
Landing	technique for landing, monitor any unusual handling or functioning characteristics of the machine including the rotor and rotor	Rotorbrake check	ok	nok
	Check the function of the Overdrive System to park the rotors in line with the aircraft	Overdrive System	ok	nok
Low weight	Pilot and 10-20ltr fuel (ideal pilot weight <85Kg) The Aircraft must		ok	nok
Vibrations	General comment on unusual or unacceptable vibration in any flight phase, at light and MTOW weights.	Vibrations	ok	nok
options	Garmin device G5 G3X			
	Artifical Horion Function	N/A	ok	nok
	Garmin Transponder functional	N/A	ok	nok
	Garmin radio funktion	N/A	ok	nok
	Fuel Pressure Gauge calibrated?	N/A	ok	nok
	Magnetometer calibrated?	N/A	ok	nok
	Fuel storage calibrated?	N/A	ok	nok
	GPS Signal available?	N/A	ok	nok
	Unit selection correct?	N/A	ok	nok
	OAT available?	N/A	ok	nok
	GDL 50 fitted: Bluetooth available?	N/A	ok	nok
	Card Compass heading between Garmin & Aircraft the same +/- 5°	N/A	ok	nok
	Altimeter between Garmin G3X & Garmin G5 & Aircraft standby Instruments the same +/- 100ft	N/A	ok	nok
	Garmin G5 & Aircraft standby Instruments the same +/- 5mph (8km/h / 4,3Kts)	N/A	ok	nok
	FLARM fitted	N/A	ok	nok
(S				
			Conforms	Does no conform
signature:				
<b>J</b>		Date:		
	Vibrations  options	technique for landing, monitor any unusual handling or functioning characteristics of the machine including the rotor and rotor  Check the function of the Overdrive System to park the rotors in line with the aircraft  Low weight  Low weight assessment - perform a general handling test with only Pilot and 10-20ltr fuel (ideal pilot weight <85Kg) The Aircraft must be possible to be trimmed for level flight @Vne  Vibrations  General comment on unusual or unacceptable vibration in any flight phase, at light and MTOW weights.  Options  Garmin device G5 G3X  Artifical Horion Function  Garmin Transponder functional  Garmin Transponder functional  Garmin radio funktion  Fuel Pressure Gauge calibrated?  Magnetometer calibrated?  Fuel storage calibrated?  GPS Signal available?  Unit selection correct?  OAT available?  GDL 50 fitted: Bluetooth available?  Card Compass heading between  Garmin & Aircraft the same +/- 5°  Altimeter between Garmin G3X & Garmin G5 & Aircraft standby Instruments the same +/- 100ft Airspeed between Garmin G3X & Garmin G5 & Aircraft standby Instruments the same +/- 5mph (8km/h / 4,3Kts)  FLARM fitted  (S	technique for landing, monitor any unusual handling or functioning characteristics of the machine including the rotor and rotor Check the function of the Overdrive System to park the rotors in line with the aircraft Low weight assessment - perform a general handling test with only Pilot and 10-20lf rule (ideal pilot weight - 85Kg) The Aircraft must be possible to be trimmed for level flight @Vne Vibrations  General comment on unusual or unacceptable vibration in any flight phase, at light and MTOW weights.  Options  Garmin device G5 G3X  Artifical Horion Function Garmin Transponder functional Garmin radio funktion Fuel Pressure Gauge calibrated?  Magnetometer calibrated?  N/A  Fuel storage calibrated?  N/A  GPS Signal available?  N/A  GPS Signal available?  N/A  GDL 50 fitted: Bluetooth available?  Altimeter between Garmin G3X & Garmin & Aircraft the same +/- 5°  Altimeter between Garmin G3X & Garmin G5 & Aircraft standby Instruments the same +/- 100ft Airspeed between Garmin G3X & Garmin G5 & Aircraft standby Instruments the same +/- 5mph (8km/h / 4,3kts)  FLARM fitted  N/A  Ses  test conclusion; this aircraft does/does not conform to the ght characteristics required to be released to service.	technique for landing, monitor any unusual handing or functioning characteristics of the machine including the rotor and rotor Check the function of the Overdrive System to park the rotors in line with the aircraft Low weight Low weight assessment - perform a general handling test with only Pilot and 10-20lr fuel (ideal pilot weight aSSKg)) The Aircraft must be possible to be trimmed for level flight gl/ne General comment on unusual or unacceptable vibration in any flight phase, at light and MTOW weights.  Options Garmin device G5 G3X Artifical Horion Function Garmin Transponder functional Garmin Transponder functional Garmin Transponder functional Garmin radio funktion Fuel Pressure Gauge calibrated? Magnetometer calibrated? N/A ok Fuel storage calibrated? N/A ok GPS Signal available? Unit selection correct? OAT available? Unit selection correct? OAT available? Altimeter between Garmin G3X & Garmin G5 & Aircraft standby Instruments the same +/- 5° Altimeter between Garmin G3X & Garmin G5 & Aircraft standby Instruments the same +/- 5° Thiph (gkm/h /4,3kts) FLARM fitted N/A ok  Steel conclusion; this aircraft does/does not conform to the ght characteristics required to be released to service.  Conforms  light phase and the characteristics required to be released to service.

Crossflight conclusion; this aircraft does/does not conform to the flight characteristics required to be released to service.

Pilot signature:	Conforms	Does not conform
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