

Engine Maintenance Manual

Jabiru Aircraft Pty Ltd



55-3558

Registration No.

ULTRALIGHT AIRCRAFT MAINTENANCE LOG

Supplied by the
Australian Ultralight Federation Inc.

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This maintenance Log was designed by Mr Ray Hill of the
Victorian Ultralight Centre

PART I
AIRCRAFT IDENTIFICATION AND SPECIFICATIONS

AIRCRAFT ID		SPECIFICATIONS	
Manufacturer	JABIRU AIRCRAFT P.T.Y LTD	Aircraft Compliance: CAO	101.55
Model	LSA 55/3J	Number of Seats	2
Serial No	0476	Aircraft Datum Point	1403mm Forward of LE
Registration No	55-3558	Basic Aircraft Empty Weight	245 Kg
First Registered	25-6-2001	Aircraft Centre of Gravity	1554mm AFT OF DATUM
REGISTERED OWNERS		COMPONENTS ENGINE N° no: 22A1002	
Owner Name	R.L. BALDWIN	Engine	22J726 JABIRU 300
Address	S McPHERSON DR	Propeller	JJ4 1553 LC
	ROXBURGH PARK VIC 3064	Gear Drive	—
Date Purchased	25-6-2001	Carburator	BORG
Owner Name		Start System	BORG
Address		Fuel Capacity	65L
		Brakes	HYDRAULIC JABIRU
		Radio	
		Intercom	Placeo - R2R
		Instruments	
Date Purchased		COLOR	
Owner Name		Fuselage	White
Address		Wing	White
		Tail	White

PART 2

MAINTENANCE RECORD

Date	Airframe						Engine			Maints Type	Inspection and Maintenance Completed
	hr	min	hr	min	hr	min	ttis	hr	min		
11-08-01								21	12		100 OIL FILTER HEAD TENSIONS + INSPECT. <i>Ad.</i> L2 C10486
18-8-01	21	12						40	6		Replaced faulty F.T.L. Tony Boulton. HEAD TENSIONS / WAVE CLEARANCES AND INSPECT. MISSING FRONT R/H EXH. SPRING. L2 C10486 AEROAV <i>Ad.</i>
12-12-01								50	42		SE HWT. COMPLETE SO HELY INSPECTION IAW. JABIRU INSPECTION SHEETS. L2 C10486 AEROAV <i>Ad.</i>
26-04-02								69	54		FIT NEW ENGINMOUNTS (WARRANTY) AEROAV C10486 <i>Ad.</i>
03-05-02								71	12		REWORKING PROP. BEFT. CHECK TORQUING AEROAV C10486 <i>Ad.</i>
15-04-02								82	24		FIT LANDING LIGHT AIRCRAFT
15-06-02								82	24		REWORK REGULATOR DIRECT TO BATTERY. AEROAV C10486 <i>Ad.</i>
07-09-02								99	6	100 HRY	1 AND 2 INSURE MAINTENANCE / INT. FILTER, PUMPS #2 FANBELT LEADDOWN 5% REMOVE HEAD REPAIR AEROAV <i>Ad.</i> C10486.
20-09-02								99	6		DIAGNOSTIC REPAIR #2 CYL. HEAD. RECUR INLET VALVE SEAT + INLET. LEAD INLET + EXH VALVE. TEST AND TEST. AEROAV <i>Ad.</i> C10486.

PART 2

MAINTENANCE RECORD

Date	Airframe				Engine				Mains Type	Inspection and Maintenance Completed
	hr	min	hr	min	hr	min	hr	min		
28-10-02					106	30				Breakdown Test: #1 7/8 #2 7/8 #3 7/8 #4 7/8 SERVICIAL CHECK-OVER ENGINE. AGGARV P. 010486
25-01-03					117	20				Remove #1 cylinder Assy, replace base circlip and reseat with Ultra Copper drystop all AGGARV P. 010486
25-04-03 25-04-03					128	10				FIT Transponder and antenna to Aircraft AGGARV P. 010486
30-09-03					147	00			50 Hrs 50 Hrs 1470 Hours Mts. Oil, oil filter, consent inspection and AVGASING INSPECTION. AGGARV P. 010486	
15-10-04					196	30			100 Hrs. 1470 Hrs	Oil, oil filter, Props. Inspect air filter. Check Dist. Sensor. Head bearings & valve clearance. AGGARV P. 010486
20-11-05					248	00			50 Hrs	Oil, oil filter, Head bearings and valve clearance. Oil pump insp. 1470 Hours. AGGARV P. 010486
21-07-06					258	09			100 Hrs	1470 Hours Mts. Oil oil filter, spark plug Head bearings Valve clearance Dist sensor Fit new fuel pump gaskets. AGGARV P. 010486

PART 2

MAINTENANCE RECORD

Date	Airframe				Engine				Maints Type	Inspection and Maintenance Completed		
	hr	min	hr	min	ttis	hr	min	hr			min	tso
13.12.86	294	30										Completed engine overhaul JSS 012-1 Flywheel attach bolts, 7/16 bolts. Checked prop and bolt tensions. As per bulletin JSS 014-1 (D. O. 018)
14.4.07	299	42										RETS. TRANSFERO FOR NO 12.8.1. THE FOLLOWING RECTIFICATIONS CARRIED OUT: ALTIMETER REMOVED AND CALIBRATED/INSPECTED BY AERO INSTRUMENTS, REINSTALLED SERVICEABLE ALL ENGINE BOLTS TORQUE CHECKED NIL DEFECTS EVIDENT, PROPELLER REMOVED AND REFINISHED WITH NORTHANE EPOXY, LEADING EDGE. COATINGS RESTORED WITH FLECANE PROP REFITTED INCORPORATING JSB 009-1 'ALTERNATE PROP MOUNTING' TRACK CHECK CARRIED OUT, ENGINE DECREASED, GROUND RUN CARRIED OUT SATISFACTORY, ENGINE INSPECTED FOR OIL LEAKS - SLIGHT INDICATION NOTED AT FUEL PUMP GASKET. AIRCRAFT CONSIDERED AIRWORTHY AND RETURNED TO SERVICE. FOR AND ON BEHALF OF TRANSERO PTY. LTD. RAN# 02.02.34
												APPROVAL No. 1286. 155072.

PART 2

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6 #4 7/8												
0186												
oil cirrig												
top oil used												
010186												
Aircraft												
010186												
SECTION												
010186												
Filter												
110186												
010186												
Spark plugs												
010186												

PART 2

MAINTENANCE RECORD

Date	Airframe			Engine			Mains Type	Inspection and Maintenance Completed	
	ttis	hr	tsm	hr	min	ttis			hr
21/12/07	315	18				315	8		ANNUAL INSPECTION CARRIED OUT IN ACCORDANCE WITH JABIRU I AND MM SEVT. IN FOLLOWING SPECIAL INSPECTIONS CARRIED OUT: RAA-10-06-02 MAINTENANCE AGENTS - MAIN WIRE CRACKING AND U/C LEG CLAMP BOLTS - BOTH INSPECTED - NIL DEFECTS EVIDENT. IS6018-1-CARB. JETS - RSS MAIN JET FOUND FITTED, 278 NEEDLE JET CHANGED TO 285. THE FOLLOWING ADDITIONAL WORK CARRIED OUT: ALL ENGINE BAY FLEXIBLE HOSES (FUEL+OIL) REPLACED CARB FLOAT BOWL GASKET AND IDLE SCREW O RING APPLIED, Cylinders Heads AND CYLINDERS / PISTONS REMOVED, CLEANED, INSPECTED RINGS FOUND WEAR BEYOND LIMITS, CYLINDERS HONED, VALVES LAPPED, TOP END REASSEMBLED USING NEW PISTON RINGS AND GASKETS / SPARK HARDWARE REPLACED AS REQUIRED, Ground RUN CARRIED OUT SATISFACTORY. Post Run Insp CARRIED OUT NIL DEFECTS EVIDENT. AIRCRAFT CONSIDERED AIRWORTHY AND RETURNED TO SERVICE. TO A No 1329 REGES
						ENGINE LEAKDOWN 1) 72 2) 74 3) 74 4) 72			FOR use on Behalf of Training Pty Ltd Application No. 1260 ISB. 06
NOTES	ENGINE TO BE RUN ON MINERAL OIL (NO ADDITIVES) UNTIL NEXT OIL CHANGE (ie 700 BAND)								

PART 2

MAINTENANCE RECORD

PART 2

Date	Airframe				Engine				Mains Type	Inspection and Maintenance Completed
	hr	min	hr	min	hr	min	hr	min		
2/4/08	324	6	324	6					RECT	LOG# 1357 AIRCRAFT INSPECTED LAW
	DUPLICATE INSPECTION OF RUDDER									
	CARRIED OUT INSPT# 1 2-577133									
	INSPT# 2 2-525453									
	TRIMMED (>10°) FOR CLEARANCE									
	DUPLICATE INSPECTION OF CONTROLS									
	CARRIED OUT. AIRCRAFT CONSIDERED									
	AIRCRAFT AND RETURNED TO									
	SERVICE 184# 0202 9A									
	Approval No. 1260 ISS. OR									
26/11/08	343	6	343	6					ANNUAL	LOG N° 1423 ANNUAL INSPECTION CARRIED
	OUT IN ACCORDANCE WITH JABIRU ENGINE AND									
	AIRCRAFT MAINTENANCE MANUALS. THE FOLLOWING									
	SPECIAL INSPECTIONS CARRIED OUT: RAR10-06-02 MAIN									
	WHEEL AND UNDERCARRIAGE ATTACH INSPECTION CARRIED									
	OUT NIL DEFECTS EVIDENT, JSB 014-1 PROP INSPECTION									
	CARRIED OUT - NIL DEFECTS EVIDENT, OIL FILTER									
	LUT OPEN AND EXAMINED - NIL CONTAMINATES									
	EVIDENT, FLYWHEEL AND CYLINDER BOLTS									
	TORQUE CHECKED - NONE FOUND LOOSE. THE									
	FOLLOWING ADDITIONAL WORK CARRIED OUT:									
	CARBURETTOR CHOKE CABLE LUBED AND									

NOTE: ENGINE SERVICED WITH SHELL MWSO OIL

on Behalf of
Log Pty Ltd
P. 1260 ISS. OR

PART 2

MAINTENANCE RECORD

Date	Airframe						Engine						Mains Type	Inspection and Maintenance Completed
	hr	min	hr	min	tts	tso	hr	min	hr	min	tts	tso		
26/11/08	343	6			343+6								ANNUAL INSP.	JOB 1423 CONT.
	NOTE ENGINE TO BE RUN ON SUREL W/INSO ENGINE etc.												ADJUSTED, NEW EXHAUST SHROUD CLAMP FITTED, ELEVATOR TRIM MECHANISM CLEANED AND LUBED, GROUND RUN CARRIED OUT AND POST RUN INSPECTION CARRIED OUT SATISFACTORY. For and on behalf of Trans Aero Pty Ltd Approval No: T1	
13 Jan 09	346	9			346.9								REVISION	AND RETURNED TO SERVICE JOB NO 1430 RIGHT LIFT STRUT W/ BUSH AND BOLT/NUT (PN: 2A081000 B. NAS 6605-19 BOLT, MS21044NS NUT). REPLACED. WINGS REINSPECTED FOR FOD/FLAY AND DEFECTS - NIL EVIDENT. AIRCRAFT REINSPECTED FOR AND FOUND SATISFACTORY AND RETURNED TO SERVICE PAT# 01023A L577133 13JAN09

PART 2

MAINTENANCE RECORD

PART 2

Worked	Date	Airframe						Engine						Mains Type	Inspection and Maintenance Completed		
		hr	min	hr	min	tts	min	hr	min	ttis	min	hr	min			ts	min
10 SWAMP ANISM Run SECTION For and on Behalf Transero Pty Ltd Approval No. 12601 JA# 020234	21/12/09	357	44							346	9						Annual Inspection carried out as per Jabiru Inspection Chapter 1303/02. Annual Inspection. Properly, Re torque 21st. inspect no defect visible (JTI-1532-66) Engine changed oil. Aero Spec 1550. changed. Filter. old filter opened no contaminants evident. Cylinder linkage
TRUT WING BLOOD BUSH NUT. FOR / FROG WNT AIRCRAFT For and on Behalf of Transero Pty Ltd Approval No. 1260 ISS. 0 33 13 SW09																	1 3 2 4 7/80 7/80 7/80 7/80 lower 1/4 fire with lower engine Mount Bolt (8mm) loose. removed inspected. Replaced bolt. and Reassembled to 25 Nm. Ignition wire tested. 4-8 hr. removed 13 caps carried rotor and springs (2060). spark plugs showing no wear good colour. All (100%) x wire die visible damage. Fuel control and clips/screws ok Fuel control location ok

PART:

MAINTENANCE RECORD

Date	Airframe				Engine				Maints Type	Inspection and Maintenance Completed
	hr	min	hr	min	tts	hr	min	hr		
21/12/09	557.4				357.4					FUEL SYSTEM NO ISSUES. FIRE SLEEVES 100/924 BL FG. Filtered Filter Clean, NO WATER IN TANK Boost Pump working LANDING GEAR NO ISSUES. BRAKE PADS CHANGED BY OWNER BRAKE OPERATION OK. A/C FRAME NO ISSUES FOUND. BATTERY POST LOOSE IN BATTERY CABINET WATER - MUST BE REPLACED. CONTROL SYSTEM NO ISSUES FOUND OWNER REQUESTED AND REPLACED ALL INSPECTION COVERS AND RAILINGS AIRCRAFT CONSIDERED AIRWORTHY. D HALLS LT. 021962 JLH 21/12/09

PART 2

MAINTENANCE RECORD

Ieted	Date	Airframe				Engine				Mains Type	Inspection and Maintenance Completed
		hr	min	hr	min	ttis	hr	min	hr		
	23-1-11	369	5			369	5			ANN	CHECK ALL BALL JOINTS + LINKAGES + LUBRICATE ADJUST BRAKES CHANGE OIL - FILTER 15W50 CHECK UNDERCARRIAGE BOLT CHECK SPARK PLUGS CHECK PROPELLOR TENSION CHECK JSB 012-2 FLYWHEEL ATTACHMENT - NEW CHECK JSB 019-2 CONTROL SURFACE CLEARANCE - NEW
											BRIAN DUNKLEY LZ 014644
	10-3-12	380				380				ANNUAL	CHECK ALL BALL JOINTS + LINKAGES LUBRICATE CABLES + BALL JOINTS TENSION HEADS + PROP, OIL CHANGE + FILTER 15W50 CHECK SPARK PLUGS, ADJUST BRAKES LEAKDOWN TEST @ 74/80/74/80/74/80 TIGHTEN BALL JOINT ON FLAP ACTUATOR ADJUST VALVE CLEARANCE .010"
											BRIAN DUNKLEY LZ 014644

PART 2

PART 2

MAINTENANCE RECORD

Date	Airframe				Engine				Maints Type	Inspection and Maintenance Completed
	hr	min	hr	tts	hr	min	hr	tts		
2/9/13	386	6								* ALTIMETER REPLACED. NEW ALTIM CHECKED/CAL 1900 REPAIRS MAINTS OF AD/INST/S AND FOUND SATISFACTORY * P. Rep. 12 ON 249 21/12
5-9-14	388	7			388	7			ANNUAL	CHECK AND LUBRICATE ALL BOLT JOINTS + LINKAGES, CHECK VALVE CLEARANCE, TENSION HEADS + PROPELLOR, LEAKDOWN IN 1: 78/80 2: 80/80 3: 78/80 4: 84/80 CHANGE ENGINE OIL 15W50 + OIL FILTER CHECK SPARK PLUGS + ROTOR BUTTORS DISTRIBUTOR CAPS, REPLACE ALL FUEL REPLACE FUEL FILTER, CHANGE BRAKE FL FIT COBRA HEAD TO CARBY + REPLACE - - SCAT HOSE, CHECK BRAKE ADJUSTMENT BRIAN DUNKLEY L2014444 Bally
5-5-16	391	3			391	3			ANNUAL	CHECK + LUBRICATE ALL BOLT JOINTS AND LINKAGES, CHANGE OIL 15W 50 AND OIL FILTER REPLACE SPARK PLUGS, CHECK AIRCRAFT. BRIAN DUNKLEY L2014444 Bally

PART 2

MAINTENANCE RECORD

PART 2

Deleted	Date	Airframe				Engine				Mains Type	Inspection and Maintenance Completed
		hr	min	hr	min	hr	min	hr	min		
	14-6-17	394	6	394	6					ANNUAL + CONDITIONAL AND LUBRICATE ALL BALL JOINTS	CHECK AND LUBRICATE ALL BALL JOINTS AND LINKAGES, CHECK VALVE CLEARANCE
NEWS OF SAFETY 21/7/13		7	5	7	5					REPORT CHECK AND TENSION HEADS, CHANGE OIL AND FILTER 15W50, CHECK AND TENSION PROPPELLER, CHECK BRAKES AND DISTANCE CHECK FOR CONDITION REPORT.	
POINTS + WACE, ACCIDENT TEST											BRAIN DUNKLEY 2204444 Buddy
FILTER	5-8-17	400	4	400	4						REPLACE FRONT WHEEL HUB BEARINGS + AXEL
PROPS	2-2-18	414	2	414	2						Replace 2 Com push buttons Adjust Ignition Clutch
FUEL LINE											Change oil, new oil filter new spark plugs
BRAKE FLUID	11-7-18	429	9	429	9						Adjust Ignition clean plug new out + Filter
PLUGS -	5-2-19	453	1	453	1						Exhaust manifold gasket No. 1 cyclinder New Battery Adjust tappets
ADJUSTMENT											Change oil + filter Denison heads + prop check air clear
Buddy	20-7-19	470	6	470	6						Replace spark plugs
WAS AND	30-8-19	474	6	474	6						Refill N1 Bench 003275
OIL FILTER											70 AUG 2019
CRAPT.											
By											

MAINTENANCE RECORD

PART 2

Date	Airframe				Engine				Mains Type	Inspection and Maintenance Completed			
	hr	min	hr	min	ttis	tsm	hr	min			ttis	tso	hr
9-7-20	497	7					497	7					CONDITION REPORT carried out I.A.W RAAus tech manual. Ten oil oil filled out. Ice case lost. Aircraft considered airworthy in good condition. CYLINDER LEAKAGE
													1 2 3 4
													69 70 71 72
													73 74 75 76 77 78 79 80
													81 82 83 84 85 86 87 88 89 90
9-7-20	497	7					497	7					FIT new main tyres + brake pads to complete condition report. (see next log 030332)
20/1/20	500	3					500	3					25 ML DRAINED + REPAIRED OIL WITH 150 ML FUL CRUISE STAPLES IN OIL. REPAIRED OIL FILTER. REPAIRED LOCK WIRE on some plug. OVERFLOW BOTTLE WAS 1/5 FULL. EMPTIED. ENGINE A NUMBER 22A1002 11 39255'

PART 2

MAINTENANCE RECORD

PART 2

completed	Date	Airframe						Engine						Mains Type	Inspection and Maintenance Completed		
		hr	min	hr	min	hr	min	ttis	hr	min	hr	min	hr			min	ts0
carried	11/9/20	505	2														REPAIRED CONTROL STICK WITH INSURE SUPPLIED EXTENSION (LONGER) STICK FOR TRAINING PURPOSES. LIKE FOR LIKE CHANGE.
13 fitted																	REPAIRED MICROPHONE SWITCH ON CONTROL STICK WITH JPS LIKE AGE LIKE TESTFLYER AT A/C. <u>from</u> 38235 LI.
working																	REPAIRED WORN O-RING ON FUEL CAP DUE TO MINOR WATER LEAK IN TO TANK TANK-DRAINED OF ALL WATER & OILS. REPLACED LIKE FOR LIKE <u>LI</u> 38235.
47	15/10/20	507	2														
780																	
12																	
100																	
030330																	
05																	
include																	
12																	
030332																	
11M	11/8/20	508	7					508	7								through inspection 1AW - abnau maintenance manual.
5 IN GO																	
PAVED																	
OVERPAID																	
50.																	
2. KILGEL																	
38235'																	

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PART 2

MAINTENANCE RECORD

Date	Airframe				Engine				Maints Type	Inspection and Maintenance Completed
	hr	min	hr	min	hr	min	hr	min		
15/8/20	508	7			508	7				Annual maint. Crews gear 55B 0258 undersize Loose fast drilled out NO 0258 0258
20/10/20	522	2			522	2			25AR	DRAINED MULTIGRADE OIL REPAID OIL FILTER. OVERFLOW BOTTLE WAS 9/10 FULL. NO.20 2.2 OILS W/OUT OIL REPAID LOCK WIRE ON SWP PWA. GROOMS FAN ENGINE & CHECKED PRESSURE, LEVELS & NO. LEAKS 1AW 25HRCI JABIRU JAW MAINTENANCE. JAW 11/11/20 01 3825
16/8/21	550	7			550	7			ANNUAL	Annual inspection 1AW Jabiru maintenance manual Oil, filters, Stall 100W. 25 Fuel filters. Lube & inspect all joints. Clean lube trim. Head tension - 100W. OK New exhaust gasket on No.2 Leak down
										chk. 1 2 7/10 7/10 7/10 7/10

PART 2 MAINTENANCE RECORD

Date	Airframe				Engine				Mains Type	Inspection and Maintenance Completed
	hr	min	hr	min	hr	min	hr	min		
14/10	550.7		550.7						Annual	Annual (cont.) CANN CUT JSB'S, JSB 044-1 JSB 042-1, JSB 041-1, JSB YL 19.2, JSB 012-8. JSB 044-1 JSB 03822
14/10	576.3		576.3						Annual	25 HOUR SERVICE 1AW JABIRU MAINTENANCE MANUAL DRAINED OIL. REPLACED OIL FILTER & 2% OF WOODRUFFS SHELL OIL. REPLACED LOCK WIRE ON SUMP PLUG. CHECKED FUEL ENGINE TO 2500 RPM INSPECTED ENGINE FOR LEAKS. NO EVIDENT DEFECTS OIL LEVEL. OK. GENERAL INSPECTION OF ENGINE + AIRFRAME WITH FRONT COWD OFF. NIL ISSUES. NOTE: SK-TECHO INSTALLED & REGISTERED PLANS IN & OUT. ALTUM AIRLIFT LI 38235.

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associated

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2

oil
SUMP
ENGINE
WIRE &
VIEW

annual
w. 25
at all

OK
No. 2

14/10

PART 2

MAINTENANCE RECORD

Inspection and Maintenance Completed

CAO 100.5 Items 3, 4, 5 *M-023960*

Date	Airframe				Engine				Maints Type
	ttis	hr	min	tsm	hr	min	hr	tso	
01/07/22	588		.9						



This constitutes a final certification in accordance with RAAus Tech Manual Issue 4.1 as a loose leaf logbook entry.

55-3558 A/F Serial: 0476
A/F TTIS: 588.9

Job Number: RA011
Maintenance Release No:
Expired M / Release No:

Job Description: CAO 100.5 Items 3, 4, & 5.

The following maintenance tasks carried out:

Task	Code	Description	Action Taken
1	CAO100.5 Appendix 1, Item 3	CAO 100.5, Appendix 1, Para 3 - Pilot / Static Check	Pilot / Static system leak checks carried out IAW CAO 100.5, Appendix 1, Para 3 requirements Per DAM WP008 worksheet. Nil defects evident.
2	CAO100.5 Appendix 1, Item 4	CAO 100.5, Appendix 1, Para 4 - Altimeter Calibration Check	Altimeter calibration check carried out IAW CAO 100.5, Appendix 1, Para 4 requirements per DAM WP008 worksheet. Nil defects evident.
3	CAO100.5 Appendix 1, Item 5	CAO 100.5, Appendix 1, Para 5 - Airspeed Indicator Calibration Check	Airspeed indicator calibration checks carried out IAW CAO 100.5, Appendix 1, Para 5 requirements per DAM WP007 worksheet. Nil defects evident.
4	Tool and Panel Check	Tool and Panel check to be carried out post maintenance.	Check carried out. All tools cleaned and accounted for, all panels checked secure.
6			

For and on behalf of DAKIS Aircraft Maintenance
Co-ordinators Name: Ben Dakis *BD*

CASA License Number: 795165 Date: 23/06/20
RAAus Certificate Number: 23960 Date:

PART 2

MAINTENANCE RECORD

PART 2

Completed	Date		Airframe				Engine				Maints Type	Inspection and Maintenance Completed
	hr	min	hr	min	hr	min	hr	min	hr	min		
	2/11/88	601:18			601:18	601:18		601:18				Annual with Jabiru maintenance + technical manuals + checked + only on needed small adjustment Head brida Good decisions + checking All relevant service bulletins carried out
												Leak cyl. 3 Down. 4 7/100 3 7/100 4