



ENGINE IDENT	LYC IO-360-A1B6	INJECTOR	RSA-5AD1
UNIQUE ID NUMBER	PF03	INJECTION NOZZLE	-
ENGINE TYPE	4Cyl. 4Stroke Air Cooled	RATED POWER (P _{oo}) (HP)	200
PROPELLER TYPE	HC-C2YK-1		

DATA STATUS

x EMISSION INVENTORY
PRE-REGULATION
CERTIFICATION
REVISED

TEST ENGINE STATUS

x NEWLY MANUFACTURED ENG.
USED ENGINE
DEDICATED TO PRODUCTION
OTHER (SEE REMARKS)

MEASUREMET STATUS

x GROUND BASED FIXED PITCH PROP
GROUND BASED VARIABLE PITCH PROP

CURRENT ENGINE STATUS

x IN PRODUCTION
OUT OF PRODUCTION
OUT OF SERVICE

EMISSIONS STATUS

IV5 DATA CORRECTED TO REFERENCE TEMPERATURE
DATA CORRECTED TO REFERENCE (ANNEX 16 VOLUME II)
CALCULATION METHODOLOGY VERSION NUMBER

MEASURED DATA

MODE	POWER SETTING (%)	TIME (minutes)	FUEL FLOW (kg/s)	EI HC (g/kg)	EI CO (g/kg)	EI NOx (g/kg)	PM (µg/m ³)
TAKE-OFF	100	0.3	0.0136	15.5	1278	1	
CLIMB OUT	85	2.5	0.0106	16.7	1288	1	17000
CRUISE	65	60	0.0098	17.8	1309	1	43000
APPROACH	45	3	0.0062	20.6	1342	1	94000
TAXI	12	12	0.0014	48.3	1054	2	8900
CRUISE LEAN	65	60	0.0072	9.4	393	33	38000
LTO TOTAL FUEL (kg) or EMISSIONS (g)			3.96	102	4922	5	
CRUISE 1HOUR FUEL (kg) or EMISSIONS (g)			25.9	244	10181	846	
NUMBER OF TESTED ENGINES			1	1	1	1	1
NUMBER OF TESTS			3	3	3	3	1

ATMOSPHERIC CONDITIONS

BAROMETER QNH (hPa) 1019
TEMPERATURE (°C) 9
DEW POINT (°C) 7
DENSITY ALTITUDE (ft) 1187

FUEL

SPEC AVGAS100LL
HC C7H13

MANUFACTURER:

TEST ORGANIZATION: FOCA
TEST LOCATION: LSZB
TEST DATES: 18. Okt 05

REFERENCE:

33-05-003 groundmeasurement56.injected.
constantspeed.IV5HBKEZ_051018_rit
Experts: W. Bula/T. Rindlisbacher

REMARKS:

According to engine manual, this engine can be leaned during climb out, which has not been taken into account (emissions at worst case)