



ENGINE IDENT	TCM TSIO-520-WB	INJECTOR	RSA 7DA1
UNIQUE ID NUMBER	PF07	INJECTION NOZZLE	-
ENGINE TYPE	6Cyl. 4Stroke Air Cooled Turbo	RATED POWER (P _{oo}) (HP)	325
PROPELLER TYPE	MCC 3AF32C511		

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 (...)
TAKE-OFF	100	0.3	0.027	15.8	1005	2	
CLIMB OUT	85	2.5	0.023	13.9	1140	2	
CRUISE	65	60	0.019	12.3	1237	1	
APPROACH	45	3	0.014	12.1	1286	1	
TAXI	12	12	0.006	8.2	459	3	
CRUISE LEAN	65	60	0.015	7.2	565	16	
LTO TOTAL FUEL (kg) or EMISSIONS (g)			10.8	122	9665	23	
CRUISE 1HOUR FUEL (kg) or EMISSIONS (g)			53.1	383	30044	824	
NUMBER OF TESTED ENGINES	1	1	1	1	1	1	
NUMBER OF TESTS	3	3	3	3	3	3	

ATMOSPHERIC CONDITIONS

BAROMETER QNH (hPa) 1031
TEMPERATURE (°C) -6
DEW POINT (°C) -7
DENSITY ALTITUDE (ft) (Turbocharged)

FUEL

SPEC AVGAS 100LL
HC C7H13

MANUFACTURER:

TEST ORGANIZATION: FOCA
TEST LOCATION: Bern (LSZB)
TEST DATES: 10. Jan 06

REFERENCE:

33-05-003
groundmeasurement62.injected.constantspeed
IV5.HBGPC_060109_rit
Experts: T. Rindlisbacher

REMARKS: