



ENGINE IDENT	TCM IO-550-B	INJECTOR	828858-R
UNIQUE ID NUMBER	PF01	INJECTION NOZZLE	-
ENGINE TYPE	6Cyl. 4Stroke Air cooled	RATED POWER (P <sub>oo</sub> ) (HP)	300
PROPELLER TYPE	PHC-C3YF-1RF		

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	0.0182	12.7	818	6	
CLIMB OUT	85	2.5	0.018	12.3	787	6	
CRUISE	65	60	0.0152	6.9	750	8	
APPROACH	45	3	0.0098	11.5	1055	2	
TAXI	12	12	0.0038	42.6	1123	0	
CRUISE LEAN	65	60	0.0138	5.4	473	23	
LTO TOTAL FUEL (kg) or EMISSIONS (g)			7.53	174	7327	24	
CRUISE 1HOUR FUEL (kg) or EMISSIONS (g)			49.7	268	23490	1149	
NUMBER OF TESTED ENGINES			1	1	1	1	1
NUMBER OF TESTS			3	3	3	3	3

ATMOSPHERIC CONDITIONS

BAROMETER QNH (hPa) 1030  
TEMPERATURE (°C) 9  
DEW POINT (°C) 2  
DENSITY ALTITUDE (ft) 875

FUEL

SPEC AVGAS100LL  
HC C7H13

MANUFACTURER:

TEST ORGANIZATION: FOCA  
TEST LOCATION: LSZB (BERN)  
TEST DATES: 16. Mrz 05

REFERENCE:

33-05-003  
groundmeasurement43.injected.constantspeed.IV5.  
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REMARKS:

According to engine manual, this engine can be operated lean of EGT peak at cruise. This has not been taken into account.