



ENGINE IDENT	Lyc IO-540-T4A5D	INJECTOR	standard
UNIQUE ID NUMBER	PF12	INJECTION NOZZLE	-
ENGINE TYPE	6Cyl. 4Stroke Air cooled	RATED POWER (P <sub>oo</sub> ) (HP)	260
PROPELLER TYPE	HC-C2YR-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)

MEASUREMENT 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	0.0167	13.9	1010	3	
CLIMB OUT	85	2.5	0.0148	14.0	978	3	
CRUISE	65	60	0.0122	14.8	931	4	
APPROACH	45	3	0.0074	16.3	819	6	
TAXI	12	12	0.0025	45.6	1000	1	
CRUISE LEAN	65	60	0.0098	10.7	278	41	
<b>LTO TOTAL FUEL (kg) or EMISSIONS (g)</b>			<b>5.63</b>	<b>138</b>	<b>5341</b>	<b>17</b>	
<b>CRUISE 1 HOUR FUEL (kg) or EMISSIONS (g)</b>			<b>35.3</b>	<b>376</b>	<b>9808</b>	<b>1435</b>	
NUMBER OF TESTED ENGINES			1	1	1	1	
NUMBER OF TESTS			3	3	3	3	

ATMOSPHERIC CONDITIONS

BAROMETER QNH (hPa) 1031  
TEMPERATURE (°C) 3  
DEW POINT (°C) -  
DENSITY ALTITUDE (ft) 9

FUEL

SPEC AVGAS 100LL  
HC C7H13

MANUFACTURER:

TEST ORGANIZATION: FOCA  
TEST LOCATION: LSPL  
TEST DATES: 13. Dez 06

REFERENCE:

33-05-003.001 groundmeasurement78.injected.  
constantspeed.IV5.1.HBNCO\_061213\_rit  
Expert: T. Rindlisbacher

REMARKS: