



ENGINE IDENT TAE-125-01 Centurion 1.7 INJECTOR -
UNIQUE ID NUMBER PF10 INJECTION NOZZLE -
ENGINE TYPE 4Cyl. 4Stroke RATED POWER (Poo) (HP) 135
Water Cooled Turbo **Diesel** FADEC
PROPELLER TYPE MTV-6-A

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

DATA CORRECTED TO REFERENCE TEMPERATURE
DATA CORRECTED TO REFERENCE (ANNEX 16 VOLUME II)
IV5.diesel 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	0.0064	1.0	7	17	
CLIMB OUT	85	2.5	0.0051	1.2	7	19	
CRUISE	75	60	0.0045	1.2	7	21	
APPROACH	45	3	0.0025	3.3	16	23	
TAXI	12	12	0.0003	9.8	24	14	
CRUISE	65	60	0.0039	1.6	6	26	
LTO TOTAL FUEL (kg) or EMISSIONS (g)			1.57	4.9	19	30	
CRUISE 1HOUR FUEL (kg) or EMISSIONS (g)			14.1	22	91	373	
NUMBER OF TESTED ENGINES			2	2	2	2	
NUMBER OF TESTS			3	3	3	3	

ATMOSPHERIC CONDITIONS

BAROMETER QNH (hPa) 1015
TEMPERATURE (°C) 8
DEW POINT (°C) 7
DENSITY ALTITUDE (ft) (Turbocharged)

FUEL

SPEC JET A1
HC C12H23

MANUFACTURER:

TEST ORGANIZATION: FOCA
TEST LOCATION: Buochs
TEST DATES: 18. Apr 06

REFERENCE:

33-05-003 groundmeasurement64.injected.
constantspeed.diesel.DA-42_060301_rit
33-05-003 groundmeasurement64_2.injected.
constantspeed.diesel.DA-42_060301_rit
Expert: T. Rindlisbacher

REMARKS: