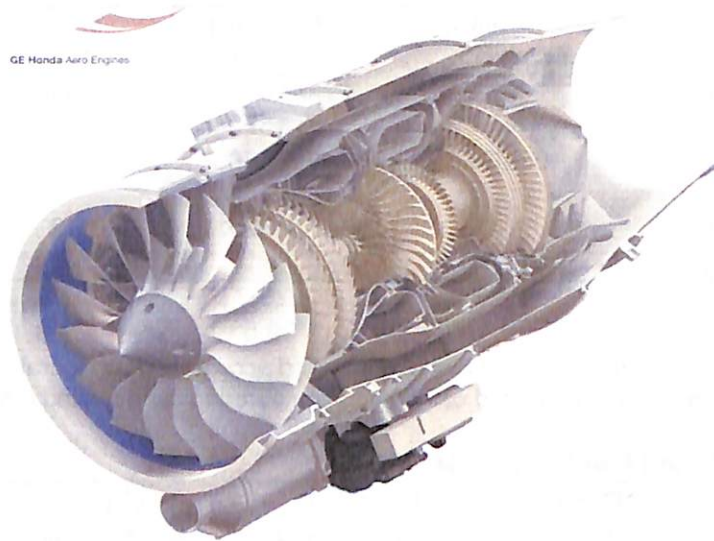


GE Honda Aero Engines

Acceptance Test Report



Engine Model Designation: HF120

Engine Serial Number: 883326

Test Date: 9/27/2017

O_5F.1-2 Revision: 07

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ACCEPTANCE TEST REPORT:

GE HONDA AERO ENGINES - HF120

ESN: 883326 DATE: 9/27/2017 CELL: HAI-B1

Uninstalled Standard Day Performance (15°C):

T2 at Takeoff: 22.2 °C

Power Point	FN Spec: (lbf)	SFC Spec: (pph/lbf)	SFC Actual: (pph/lbf)	SFC % Margin	SFC Wtg
Takeoff:	2036.1	NA	0.4661	NA	85%
Part Pwr:	1417.7	NA	0.4573	NA	15%
Weighted SFC:		0.4698	0.4648	1.1%	
Idle Setting	PM TRA °Angle	FNK2 (lbf)	FN Spec (lbf)	T2 (°C)	Idle % Margin
Flight	10.5	121.6	123.7	22.3	1.7%
Ground	10.5	98.9	99.5	22.2	0.6%

NOTE: Idle FN values are adjusted to SL static and to the uninstalled acceptance configuration.

Idle Spec Thrust schedules are based on measured cell T2 and compared to the adjusted thrust level.

Uninstalled Performance at Rated Fan Speed (ISA +10°C):

Power Setting	N1KD (rpm): Spec	N2 (rpm): Actual	Thrust (lbf): Actual Spec	ITT (°C): Actual Spec	T2: (°C)
Takeoff:	17042.0	48323	2113.9 2074.6	817.6 NA	25
Max. Cont.	16701.0		2010.4 1966.1	800.5 810.0	25

Demonstrated Nameplate Thrust (lbf): RDG#: 25 Max Uninstalled Act: 2146.0 Minimum: 2095.0

Uninstalled Engine Trim Summary (N1 and ITT Trim Applied):

Trim Applied							
N1 Trim		ITT Trim		ITT Trim		Maximum	
(units)		(units)		(°C)		Spec (°C)	
05SC		02YM		2.0		15	
Trimmed N2		Trimmed Thrust (lbf)			Indicated ITT after N1 & ITT Trim °C		
Actual	Maximum	Actual	Minimum	Maximum	Actual	Minimum	Maximum
(rpm)	Spec	(lbf)	Spec (lbf)	Spec (lbf)	(°C)	Spec	Spec
48199.2	48851	2080.7	2074.6	2125.7	814.2	805.0	822.3

System Performance:

	Actual:	Limits:	Units
Acceleration Time to 95% T/O Thrust:	5.90	6.64	Sec
Decay Time to 63.2% of Delta Thrust:	3.35	3.99	Sec
Start Time to Ground Idle:	17.6	30	Sec
Oil Consumption:	42.27	48.0	mL/hr
Corrected Oil Pressure @ Takeoff:	RDG#: 26 98.6	93.3-108.5	psig
Oil Supply Temp @ Takeoff:	RDG#: 26 110.2	143	°C

ACCEPTANCE TEST REPORT:

GE HONDA AERO ENGINES - HF120

ESN: 883326 DATE: 9/27/2017 CELL: HAI-B1

Vibration Levels:

Final Vibration Survey:	RDG #:	TR24			
		N1/Rev:	Limit:	N2/Rev:	Limit:
IM Case Radial:	IPS pk	0.10	0.15	0.13	0.40
IM Case Tangential:	IPS pk	0.10	0.15	0.09	0.40
IM Case Axial:	IPS pk	0.08	0.15	0.13	0.40

General Characteristics:

Type of Fuel:	JETA	Specific Gravity (@60°F):	0.8076	Lower Heating Value:	18559
Type of Oil:	MOBIL JET II	Cell Factor at T/O:	1.0221	Humidity (Grains)	104.024
T2 °C:	22.2	T/Rise °F:	10.8	Rel Humidity (%)	86.62
Bellmouth S/N:	BU-10-001	Bellmouth Area:	236.2	Total Run Time:	5:45:09
Barometer:	14.374				
ECU S/W OSS P/N:	34211-Q0A-L100	ECU AS P/N:	34221-Q0A-P000	ECU S/W Ver:	DA30
ADS Application	ASE2000LX	ADS Summary:	11.1		
O_5F.1-2:	07	Issue Date:	8/1/2016		