



# C&L Aerospace



**Engine Model:** CT7-9B

**Aircraft:** SAAB 340B

**Engine P/N:** 6058T83G01

**C&L  
AEROSPACE**

**LSV Date for Refurbishment:** January 8, 2007

**TSN:** 23,613.6    **TSLR:** 2,378.3    **CSN:** 29,241    **CSLR:** 3,611    **LSV Date:** January 8, 2007

## CT7-9B Engine GE-E-785489

### INTRODUCTION:

This engine was inducted to GE Strother for LCF Replacement where major work scopes were carried out to the Hot Section & PTM. Minor work scopes were carried out as required per GE Manual SEI 576. The engine was repaired, tested and released by GE Strother on January 8, 2007.

### LIFE LIMITED COMPONENT DETAILS (COLD SECTION):

ITEM	P/N	TSN	CSN	LIFE LIMIT	LIFE REMAINING
Stage 1 Blisk	6055T83G16	9252.9	12391	26900	14509
Stage 2 Blisk	4923T38P08	16294.9	19095	20800	1705
Stage 3/4 Blisk	6055T15P10	6179.9	9749	18000	8251
Stage 5 Blisk	4923T40P09	12297.9	14742	35100	20358
Impeller	5123T51P02	6179.9	9749	21600	11851
Tie Rod	5043T04P03	17990.9	22902	40000	17098
Rear Shaft	5086T74P03	6179.9	9749	31800	22051
GG Shaft	6068T44P02	9045.9	12225	28200	15975

ITEM	P/N	TSR	CSR	LIFE LIMIT	LIFE REMAINING
Midframe Case	5922T38G05	6179.9	9749	N/A	N/A
Midframe Assy	5922T43G05	6179.9	9749	N/A	N/A
Diffuser Case	5922T38G01	6179.9	9749	N/A	N/A

### HOT SECTION:

ITEM	P/N	TSN	CSN	LIFE LIMIT	LIFE REMAINING
Stage 2 Aft C/P	6068T36P01	6932.3	8741	15000	6259
Stage 2 Disk	6064T12P03	6932.3	8741	15000	6259
Stage 2 Fwd C/P	4106T80P01	7424.3	10037	13200	3163
Stage 1 Aft C/P	6064T09P01	8869.3	9647	15000	5353
Stage 1 Disk	6064T06P03	6932.3	8741	15000	6259
Stage 1 Fwd C/P	6064T08P01	6932.3	8741	15000	6259

### POWER TURBINE MODULE:

ITEM	P/N	TSN	CSN	LIFE LIMIT	LIFE REMAINING
Stage 3 Disk	6068T21P01	2517.3	3767	18600	14833
Stage 4 Disk	6068T32P01	10854.3	12756	18600	5844
PT Shaft	5121T01G02	9408.3	11376	30000	18624
Turb. Int. Seal	5060T86P05	2517.3	3767	16000	12233



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### CT7-9B Engine GE-E-785489

#### Test Performance Summary:

Ohms Resistance = 1874Ω

<b>RATE POINT</b>	<b>T4.5 MARGIN DEG.C</b>
TAKEOFF	39.3°C
MAX CONT	N/A

Performance info from July 2021 Capped GPA

#### SUMMARY:

This engine was inducted to GE Strother for LCF Replacement where major work scopes were carried out to the Hot, PTM & Accessory Section and a Cold Section minor work scope. The engine was repaired, tested and released by GE Strother on January 8, 2007 with no outstanding AD's. The engine has been long term preserved and will be released with a fresh 8130 dual release.

**\*Note:**

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PowerCheck v1.03 Output

Date 7/28/2021  
 Time 2:58 PM



Main Inputs

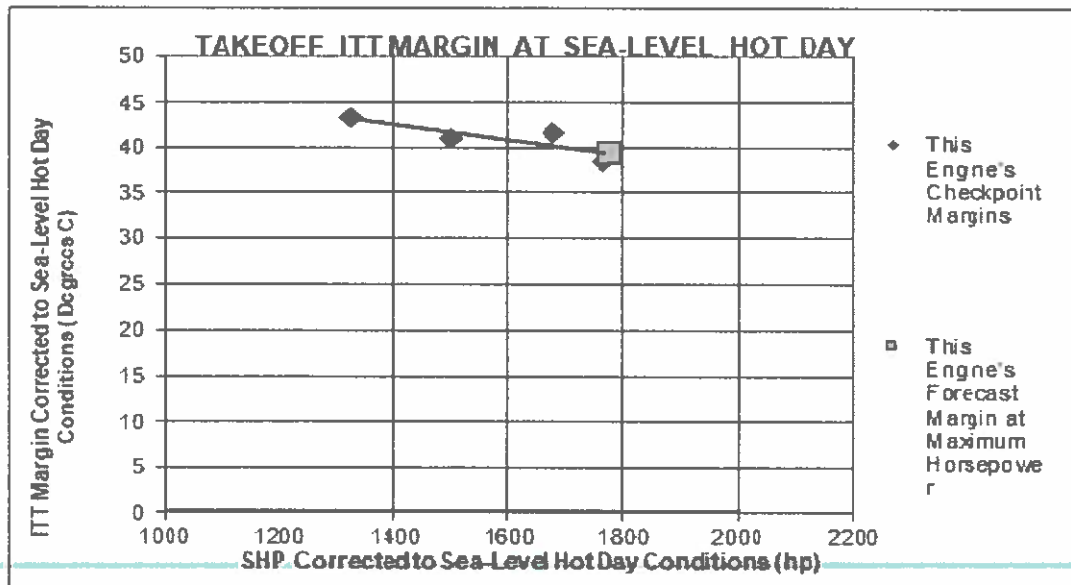
Aircraft	S340B			
Engine	CT7-9B			
Press. Altitude (ft)	155			
OAT (deg C)	22			
Torque (%)	75	85	95	100
NP (RPM)	1384	1384	1384	1384
ITT (deg C)	784	814	841	858

Other Inputs

ESN	GE-E-785489
Aircraft ID	N351AG
Engine Position	RIGHT
GPA Date (dd-mm-yyyy)	28-07-2021
Capped/Uncapped	CAPPED
Engine Time Since Last Shop Visit	
Engine Cycles Since Last Shop Visit	
Engine Time Since Last Wash	
Engine Cycles Since Last Wash	

Results

ITT Margin (deg C):	43.4	41	41.6	38.5
Takeoff Margin (deg C):	39.3			



PowerCheck v1.03 Output

Date 7/28/2021  
 Time 3:01 PM



Main Inputs

Aircraft	S340B			
Engine	CT7-9B			
Press. Altitude (ft)	170			
OAT (deg C)	25			
Torque (%)	76	84	94	102
NP (RPM)	1384	1384	1384	1384
ITT (deg C)	797	821	852	876

Other Inputs

ESN	GE-E-785489			
Aircraft ID	N351AG			
Engine Position	RIGHT			
GPA Date (dd-mm-yyyy)	28-07-2021			
Capped/Uncapped	UNCAPPED			
Engine Time Since Last Shop Visit				
Engine Cycles Since Last Shop Visit				
Engine Time Since Last Wash				
Engine Cycles Since Last Wash				

Results

ITT Margin (deg C):	37.6	36.7	34.6	33.7
Takeoff Margin (deg C):	34.2			

