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Classification changed to
UNCLASSIFIED
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DATE 20 May 1997

CLASSIFICATION CANCELLED
OR CHANGED TO *Unclassified*
5-7-46

Smith
Capt U.S. Air

ARMY AIR FORCES
MATERIEL CENTER COMMAND
FLIGHT SECTION
MEMORANDUM REPORT ON

Pursuit Single Engine F-51B-1-NA, AAF No. 43-12093 **FFB:mem:l9**
SUBJECT: Time to Climb **Date June 3, 1943**

SECTION Flight

Contract No. _____
Expenditure Order No. 430-126
Purchase Order No. _____

SERIAL No. ENG-M-19-1587-A (Addendum #1)

A. Purpose

1. To report time to climb as calculated from data given in Memorandum Report, Serial No. FS-M-19-1587-A.

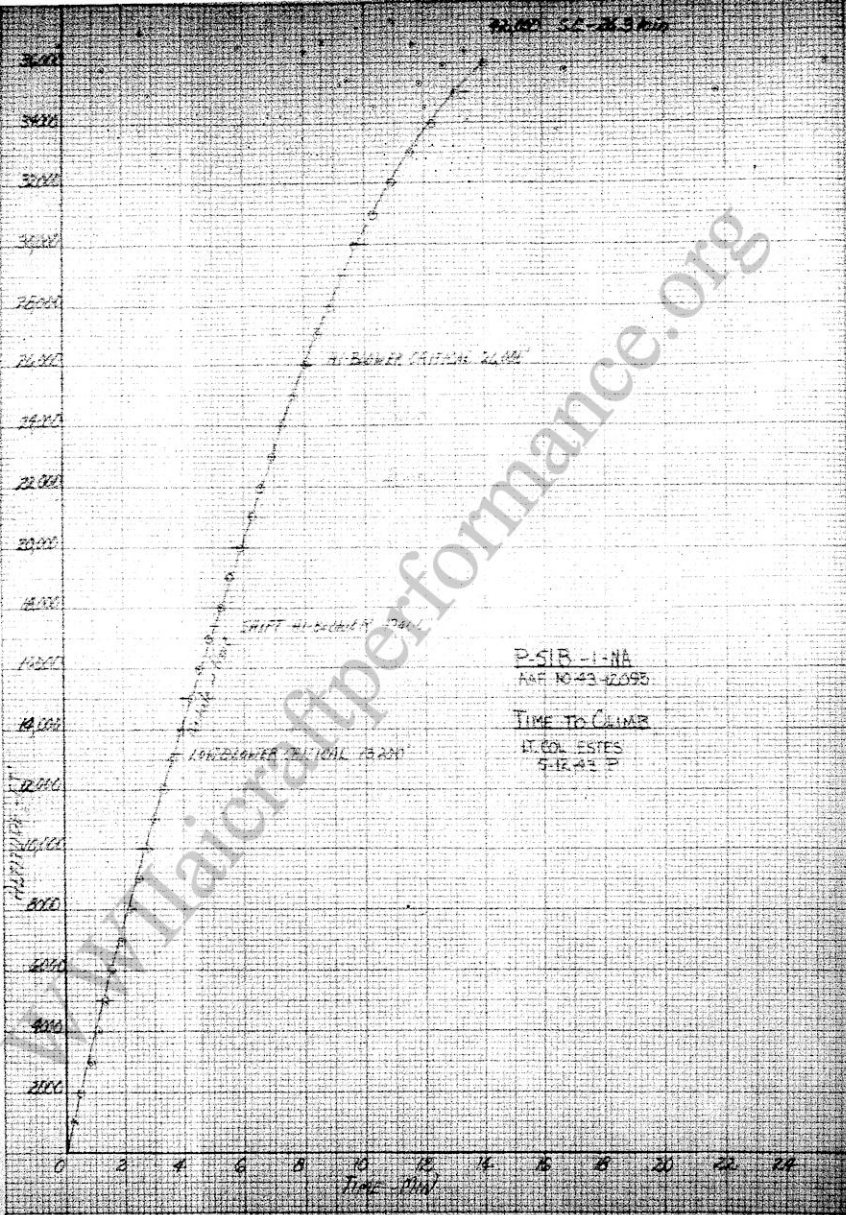
B. Factual Data

1. Time to climb; 3,000 r.p.m., oil and coolant flaps wide open.

Altitude Ft.	Man. Press. " Hg.	Rate of Climb Ft/min	SHF FROM Chart	Time to Climb Min.
<u>(a) Low Blower Operation</u>				
S.L.	60.5	3,600	1,500	0
5,000	60.5	3,570	1,510	1.4
10,000	60.5	3,540	1,525	2.8
13,200	60.5	3,520	1,510	3.7
17,400	52.3	2,965	1,320	5.05
<u>(b) High Blower Operation</u>				
17,400	60.5	2,965	1,320	5.1
20,000	60.5	2,915	1,310	5.9
26,000	60.5	2,780	1,260	7.7
30,000	51.6	2,125	1,075	9.8
35,000	41.8	1,280	850	12.3
40,000	32.8	450	630	18.6
S/Ch2,000	29.1	100	540	26.3
A/Ch2,600	28.2	0	515	—

Distributions:
Chief, Engineering Division
Attn: Flight Research Liaison Branch)
Project Officer (Major Towner)
Project Engineer (3)
Chief, Aircraft Laboratory (2)
Chief, Aerodynamics Branch
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Chief, Flight Section
Approved by W. J. ...
P.O. ...



22,000 50-283000

P-51B-11-NA
AUG 10-43-12093

TIME TO CLIMB
HCOX ESTES
5-12-43 P

Time (min)