

AIRPLANE MODELS		SPECIFIC ENGINE				ENGINE MODELS				
P-40B		FLIGHT CHART				V-1710-33				
P-40C						V-1710-33				
INTAKE PORT SCREENS NOT INSTALLED										
CONDITION	FUEL PRESSURE LB./SQ. IN.	OIL PRESSURE LB./SQ. IN.	OIL TEMP °C	COOLANT TEMP °C			MAX. PERMISSIBLE DIVING RPM.			
DESIRED	12-16	60-70	80-80	105-115			CONDITION ALLOWABLE OIL CONSUMPTION			
MAXIMUM	18	85	95	125			"MAX CONTINUOUS" 10 IMP PSHR 12 US QT/HR			
MINIMUM	12	55	15	85			"ECONOMICAL MAX" 8 IMP PSHR 9 US QT/HR			
IDLING	9	15	60-80	90-120			"MIN SPECIFIC" 5 IMP PSHR 6 US QT/HR			
							OIL GRADE: (3) 1120 (4) 1120			
SUPERCHARGER TYPE: SINGLE SPEED - SINGLE STAGE - GEAR DRIVEN				FUEL OCTANE 100						
OPERATING CONDITION	R.P.M.	MAMP PRESS. (PSHR)	HORSE POWER	CRITICAL ALTITUDE (FEET)	USE LOW BLOWER BELOW	MIXTURE/FUEL FLOW CONTROL POSITION (U.S. IMP)	MAXIMUM OYL. TEMP °C	MAXIMUM DURATION (MINUTES)	REMARKS	
TAKE-OFF	2800	40.6	1040	SEA LEVEL	--	AUTO RICH 110 92		5	ABOVE 3000 FT. ALT. USE 2800 &	
EMERGENCY MAXIMUM	3000	37.2	1040	19,300	--	AUTO RICH 115 96		5	FOR MAX. CLIMB AND HIGH SPEED ONLY	
MAXIMUM CONTINUOUS	2600	33.7	930	12,800	--	AUTO RICH 95 79	SEE COOLANT TEMPERATURE	NO LIMIT	RATED POWER	
ECONOMICAL MAXIMUM	2300	27.0	650	13,500	--	AUTO LEAN 50 42		NO LIMIT	FOR AUTO-LEAN	
MINIMUM SPECIFIC CONSUMPTION	1950	25.0	425	SEA LEVEL	SINGLE SPEED BLOWER	AUTO	30 25	NO LIMIT	FLIGHT PLANS FOR EACH MODEL ARE SHOWN ON "FLIGHT OPERATION INSTRUCTION CHARTS", FIG.-4-	
	1950	25.0	480	5,000		--	AUTO			36 28
	1950	25.0	520	10,000		--	LEAN			37 31
	2050	F.T.	640	15,000		FT. ALT.	LEAN			37 31
MINIMUM CRUISING	1800	20.7	250	SEA LEVEL	--	AUTO LEAN 24 18		NO LIMIT	MINIMUM LIMIT FOR AUTO-LEAN	
CONDITIONS TO AVOID	OPERATION BELOW 1600 RPM RESULTS IN INSUFFICIENT GENERATOR OUTPUT OPERATION BELOW 1000 RPM RESULTS IN REDUCED FUEL ECONOMY.									
NOTE: FOR COMPLETE LISTING CHARACTERISTICS WITH INTAKE PORT SCREENS INSTALLED, REFER TO "ENGINE FLIGHT CHARACTERISTICS CHARTS".										

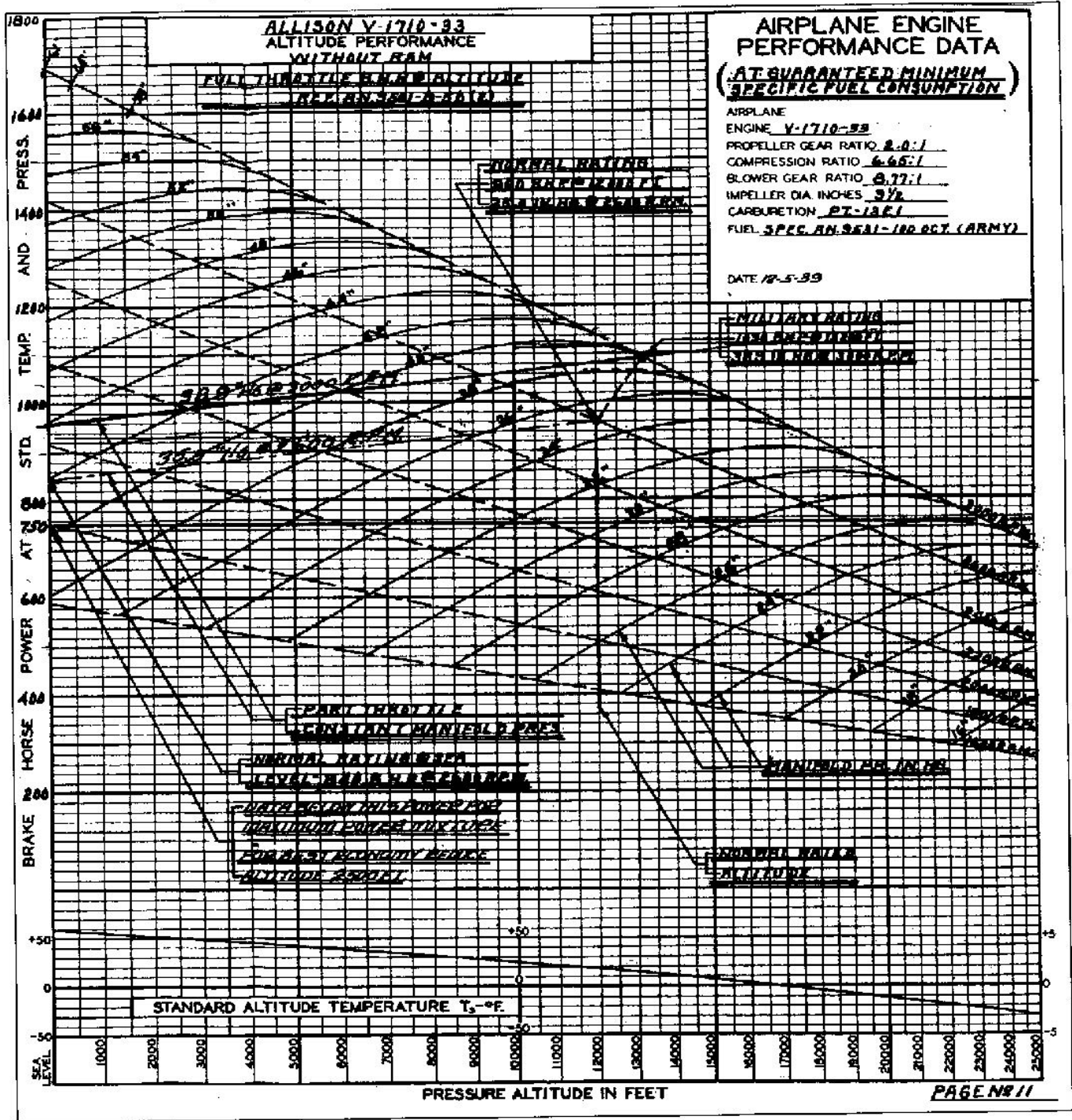
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RESTRICTED

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creased the aircraft speed and performance, just a little." As well it should, magnitude of the effort was such that



Perform
V-1710
Power
offered
1939 M
never
58 inH
oping
factory