DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

A25SO Revision 9 Piper PA-46-310P PA-46-350P PA-46-500TP

September 27, 2000

TYPE CERTIFICATE DATA SHEET NO. A25SO

This data sheet, which is part of Type Certificate No. A25SO, prescribes conditions and limitations under which the product for which type certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Type Certificate Holder:	The New Piper Aircraft, Inc. 2926 Piper Drive Vero Beach, Florida 32960			
I Model PA-46-310P (Malibu), 6 I	CLM (Normal Category),	Approved September 27,	<u>1983.</u>	
Engine	Teledyne Continental, T	C No. E8CE, Model TSI	0-520-BE	
Fuel	100/100LL minimum gr	rade aviation gasoline		
Engine Limits	For all operations: 2600 RPM and 38" Hg MAP (310 HP), sea level to 24,000 ft. 2600 RPM and 35" Hg MAP above 24,000 ft.			
	2400 RPM and 31" I any altitude.	Ig MAP maximum when	leaned to 50° F lean of peak,	
Propeller and Propeller Limits	Pitch:High 38.Diameter:Not overSpinner:Hartzell	Hub BHC-C2YF-1BF, E 0° \pm 1°, Low 16.0° \pm 0.2° 80", not under 78". D-4810 or D-4810P. Model E-5-2.		
<u>Airspeed Limits</u>	$\begin{array}{l} V_{NE} \mbox{ (Never Exceed)} \\ V_{NO} \mbox{ (Maximum Structu} \\ V_A \mbox{ (Maneuvering 4100 H)} \\ V_A \mbox{ (Maneuvering 2450 H)} \\ V_{FE} \mbox{ (Maximum Flaps Ex} \\ V_{LO} \mbox{ (Maximum Landing Extension Retraction } \\ V_{LE} \mbox{ (Maximum Landing Landing H)} \end{array}$	ral Cruise) b.) b.) (tended) (Gear Operation)	203 KIAS 173 KIAS 135 KIAS 103 KIAS 120 KIAS 170 KIAS 130 KIAS 200 KIAS	
C.G. Range (Gear Extended)	WT. (LB.) 4100 3680 2450 or less	FWD. LIMIT <u>IN. AFT OF DATUM</u> 143.3 in. 136.1 in. 130.7 in.	AFT LIMIT <u>IN. AFT OF DATUM</u> 147.1 in. 147.1 in. 147.1 in.	
Empty Weight C.G. Range	None			

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Takeoff: 410	00 lb.				
6 (2 at +135.5, 2 at +177.0, 2 at +218.75)					
		oil.			
25,000 ft.					
5.5 PSID					
Ailerons Elevator Rudder Elevator Trim Tab Wing Flaps	(±1°) (±.5°) (±1°, -0°) (±0°, -1°) (±1°)	Up Up Left Down Up	18° 23.5° 26° 24.5° 0°	Down Down Right Up (Elevator Down	18° 14.5° 30° 19° Neutral) 35°
rage), 6 PCLM (Normal Category)	, Approved A	ugust 30, 19	<u>88.</u>	
Textron Lyco	oming, TC No. E14	IEA, Model T	10-540-AE2	ŻA	
100/100LL n	ninimum grade avi	ation gasoline			
2500 RPN	A and 42.0" Hg M.				00 ft. to 25,000 ft.
Numbers 462 Pitch: Diameter: Spinner: Governor: Hartzell, TC Numbers 462 Serial Number Pitch: Diameter: Spinner: Governor: Do not excee	22001 through 462 High $40.5^{\circ} \pm 0.5^{\circ}$ Not over 80", no Hartzell A-2298 Hartzell Model ' No. P33EA, Hub I 22001 through 462 ers 4636196 and u High $38.7^{\circ} \pm 0.5^{\circ}$ 80" Hartzell D-6750 Hartzell Model ' d 36" MAP below	2200 and 463 ^{1°} Low 17.6° t under 79". -3P. V-5-2 or V-11 HC-13YR-1E, 2200 and 463 p) ^{1°} Low 13.65° V-5-2 or V-11 2400 RPM	6001 throug ± 0.2° at 30 -1 Blade 7890 6001 throug ° ± 0.15° at 5	gh 4636195) " station. OK (optional 3 gh 4636195, st	blade-Serial
	Takeoff : 410 Landing : 390 6 (2 at +135 100 lb. at (+ 100 lb. at (+2 122 gals. at (See NOTE 1 8 qts. at (+53 See NOTE 1 25,000 ft. 5.5 PSID Ailerons Elevator Rudder Elevator Rudder Elevator Trim Tab Wing Flaps 46-8408001 46-8608001 46-8608001 Textron Lyco 100/100LL n For all operat 2500 RPM 42 - 1.6" I Hartzell, TC Numbers 462 Pitch: Diameter: Spinner: Governor: Hartzell, TC Numbers 462 Serial Number Pitch: Diameter: Spinner: Governor: Do not excee	100 lb. at (+88.6) (Fwd.) 100 lb. at (+248.23) (Aft) 122 gals. at (+150.31) (2 See NOTE 1 for data on system 8 qts. at (+53.5) See NOTE 1 for data on system 25,000 ft. 5.5 PSID Ailerons $(\pm 1^{\circ})$ Elevator $(\pm 5^{\circ})$ Rudder $(\pm 1^{\circ}, -0^{\circ})$ Elevator $(\pm 0^{\circ}, -1^{\circ})$ Trim Tab Wing Flaps $(\pm 1^{\circ})$ 46-8408001 through 46-840808 46-8608001 through 46-860800 rage), 6 PCLM (Normal Category). Textron Lycoming, TC No. E14 100/100LL minimum grade avia For all operations: 2500 RPM and 42.0" Hg MA 42 - 1.6" Hg MAP decrease Hartzell, TC No. P42GL, Hub H Numbers 4622001 through 462 Pitch: High 40.5° \pm 0.5 Diameter: Not over 80", no Spinner: Hartzell A-2298 Governor: Hartzell Model V Hartzell, TC No. P33EA, Hub I Numbers 4636196 and up Pitch: High 38.7° \pm 0.5 Diameter: 80" Spinner: Hartzell Model V Do not exceed 36" MAP below	Takeoff : 4100 lb. Landing : 3900 lb. 6 (2 at +135.5, 2 at +177.0, 2 at +218.75) 100 lb. at (+248.23) (Aft) 122 gals. at (+150.31) (2 wing tanks) See NOTE 1 for data on system fuel. 8 qts. at (+53.5) See NOTE 1 for data on system oil. 25,000 ft. 5.5 PSID Ailerons (\pm 1°) Up Elevator (\pm 5°) Up Rudder (\pm 1°, -0°) Left Elevator (\pm 0°, -1°) Down Trim Tab Wing Flaps (\pm 1°) Up 46-8408001 through 46-8408087, 46-850800 46-8608001 through 46-8608067, 4608001 th rextron Lycoming, TC No. E14EA, Model T 100/100LL minimum grade aviation gasoline For all operations: 2500 RPM and 42.0" Hg MAP (350 HP), 42 - 1.6" Hg MAP decrease per each 1000 Hartzell, TC No. P42GL, Hub HC-12YR-1BH Numbers 4622001 through 4622200 and 463 Pitch: High 40.5° \pm 0.5° Low 17.6° Diameter: Not over 80", not under 79". Spinner: Hartzell A-2298-3P. Governor: Hartzell Model V-5-2 or V-11 Hartzell, TC No. P33EA, Hub HC-13YR-1E, Numbers 4632001 through 4622200 and 463 Pitch: High 38.7° \pm 0.5° Low 13.65' Diameter: 80" Spinner: Hartzell D-6750.	Takeoff : 4100 lb. Landing : 3900 lb. 6 (2 at +135.5, 2 at +177.0, 2 at +218.75) 100 lb. at (+88.6) (Fwd.) 100 lb. at (+248.23) (Aft) 122 gals. at (+150.31) (2 wing tanks) See NOTE 1 for data on system fuel. 8 qts. at (+53.5) See NOTE 1 for data on system oil. 25,000 ft. 5.5 PSID Ailerons ($\pm 1^{\circ}$) Up 18° Elevator ($\pm 5^{\circ}$) Up 23.5° Rudder ($\pm 1^{\circ}, -0^{\circ}$) Left 26° Elevator ($\pm 5^{\circ}$) Up 0° 46-8408001 through 46-8408087, 46-8508001 through 4608 rage), 6 PCLM (Normal Category), Approved August 30, 19 Textron Lycoming, TC No. E14EA, Model TI0-540-AE2 100/100LL minimum grade aviation gasoline For all operations: 2500 RPM and 42.0" Hg MAP (350 HP), sea level to 42 - 1.6" Hg MAP decrease per each 1000 ft. altitude Hartzell, TC No. P42GL, Hub HC-12YR-1BF, Blade F80 Numbers 4622001 through 4622200 and 4636001 throug Pitch: High 40.5° \pm 0.5° Low 17.6° \pm 0.2° at 30 Diameter: Not over 80", not under 79". Spinner: Hartzell A-2298-3P. Governor: Hartzell Model V-5-2 or V-11-1 Hartzell, TC No. P33EA, Hub HC-13YR-1E, Blade 7890 Numbers 4622001 throu	Takeoff : 4100 lb. Landing : 3900 lb. 6 (2 at +135.5, 2 at +177.0, 2 at +218.75) 100 lb. at (+248.23) (Aft) 122 gals. at (+150.31) (2 wing tanks) See NOTE 1 for data on system fuel. 8 qts. at (+53.5) See NOTE 1 for data on system oil. 25,000 ft. 5.5 PSID Ailerons ($\pm 1^{\circ}$) Up 18° Down Elevator ($\pm 5^{\circ}$) Up 23.5° Down Rudder ($\pm 1^{\circ}, 0^{\circ}$) Left 26° Right Elevator ($\pm 5^{\circ}$) Up 0° Down 24.5° Up Trim Tab (Elevator ($\pm 1^{\circ}, 0^{\circ}$) Up 0° Down 46-8508109, 46-8508001 through 46-8508107, 46-8608001 through 46-8608067, 4608001 through 46-8508109, 46-8608001 through 46-8608067, 4608001 through 46-8508109, 46-8608001 through 46-8608067, 4608001 through 4608140. age), 6 PCLM (Normal Category), Approved August 30, 1988. Textron Lycoming, TC No. E14EA, Model TI0-540-AE2A 100/100LL minimum grade aviation gasoline For all operations: 2500 RPM and 42.0° Hg MAP (350 HP), sea level to 20,600 ft. 42 - 1.6° Hg MAP decrease per each 1000 ft. altitude increase, 20,60 Hartzell, TC No. P42GL, Hub HC-12YR-1BF, Blade F8074 (standard 2) Numbers 4622001 through 4622200 and 4636001 through 4636195) Pitch: High 40.5° ± 0.5° Low 17.6° ± 0.2° at 30° station. Diameter: Not over 80°, not under 79°.

<u>Airspeed Limits</u>	V_A (Maneuve V_A (Maneuve V_{FE} (Maximu V_{LO} (Maximu Extension Retraction	um Structural Cr ring 4300 lb.)	ed) Operation)	198 KIAS 168 KIAS 133 KIAS 100 KIAS 116 KIAS 165 KIAS 126 KIAS 195 KIAS		
<u>C.G. Range (Gear Extended)</u>	WT. (LB.) 4300 (4 4100 (4 4000 2450 2400 Note: Numbers	<u>IN. 4</u> 340) 123)	FWD. LIMIT AFT OF DATU 143.3 in. (144. 139.1 in. (139. 137.0 in. 130.7 in. 130.7 in. apply to serial	1 in) 6 in)	AFT LIMI <u>AFT OF D</u> 147.1 in. 147.1 in. 146.5 in. 137.6 in 137.3 in. 5196 and up	<u>ATUM</u>
Empty Weight C.G. Range	None					
<u>Maximum Weight</u>	Ramp : 4318 Takeoff : 4300 Landing : 4100 Note: Numbers	lb. (4340 lb.)	apply to serial	numbers 4636	5196 and up	
No. of Seats	6 (2 at +135.5	, 2 at +177.0, 2 a	at +218.75)			
<u>Maximum Baggage</u>	100 lb. at (+88 100 lb. at (+24					
Fuel Capacity	122 gals. at (+) See NOTE 1 fo	150.31) (2 or data on system	2 wing tanks) 1 fuel.			
Oil Capacity	12 qts. at (+53) See NOTE 1 fo	.5) or data on system	ı oil.			
Maximum Operating Altitude	25,000 ft.					
Maximum Cabin Operating Pressure Differential	5.5 PSID					
Control Surface Movements	Ailerons Elevator Rudder Elevator Trim Tab Wing Flaps	(±1°) (±0.5°) (±1°, -0°) (±0°, -1°) (±1°)	Up Up Left Down Up	18° 23.5° 26° 24.5°	Down Down Right Up (Elevator Down	18° 14.5 ° 30° 19° Neutral) 35°
Manufacturer's Serial Numbers	4622001 throu	gh 4622200, and	1 4636001 and	up.		

III. – Model PA-46-500TP (Malibu M	feridian), 6PCLM (Normal Category),	Approved September 27, 2000.		
Engine	Pratt & Whitney Canada, PT6A-42A			
<u>Fuel</u>	Jet A and A-1 fuels conforming to Pratt & Whitney Specification 522 or Service Bulletin 3044, CPW204. (Fuels shall conform to the specification as listed or to subsequent revisions thereto.) MIL-I-27686 Fuel System Icing Inhibitor or equivalent must be used in the fuel in the amount up to 0.15% by volume.			
Oil (Engine & Gearbox)	PWC PT6 Engine Service Bulletin N	lo. 3001 lists approved brand oils.		
Engine Limits	Takeoff and max continuous power Compressor Turbine Speed (Ng) Propeller Speed (Np) * See Note 5	500 SHP 39000 RPM (104%)* 2205 RPM*		
Propeller and Propeller Limits	Hartzell, T.C. No. P10NE, Hub HC-Pitch:Low $19.0^{\circ} \pm 0.1^{\circ}$ Diameter:Not over 82.5° , 1Spinner:Hartzell D-630-5Governor:Woodward Mode	Pat 30" station. not under 81.5". P		
<u>Airspeed Limits</u>	$ \begin{array}{l} V_{MO} \mbox{ (Maximum Operating Speed)} \\ V_O \mbox{ (Operating Speed @ 4850 lbs. G')} \\ V_O \mbox{ (Operating Speed @ 4300 lbs. G')} \\ V_{FE} \mbox{ (Flaps Extended Speed for 10° F)} \\ V_{FE} \mbox{ (Flaps Extended Speed for 20° F)} \\ V_{FE} \mbox{ (Flaps Extended Speed for 36° F)} \\ V_{LO} \mbox{ (Maximum Landing Gear Operator)} \\ \mbox{ Retraction)} \\ V_{LE} \mbox{ (Maximum Landing Gear Extended)} \\ \end{array} $	W) 135 KIAS Flaps) 168 KIAS Flaps) 135 KIAS Flaps) 118 KIAS tion) 168 KIAS 129 KIAS		
<u>C.G. Range</u>	WT.FWD. LIMIT(LB.)IN. AFT OF DATUM4892140.22 in.4850140.06 in.4100137.23 in.3508135.00 in.3000135.00 in.	AFT LIMIT <u>IN. AFT OF DATUM</u> 147.10 in. 147.10 in. 147.10 in. 143.67 in. 140.75 in.		
Empty Weight C.G. Range	None			
<u>Maximum Weight</u>	Ramp: 4892 lbs. Takeoff: 4850 lbs. Landing: 4850 lbs.			
No. of Seats	6 (2 at +135.5, 2 at 177.0, 2 at 218.7	5)		
Maximum Baggage	100 lbs. at (+248.23)			
Fuel Capacity	173 gallons at (+148.75)(2 w170 gallons (1140 lbs.) useableSee Note 1 for data on system fuel.	ving tanks)		
Oil Capacity	12 quarts at (+77.76) See Note 1 for data on system oil.			

Maximum Operating Altitude	30,000 ft.			
OAT Operating Limitation	+46°C (+115°F) maximum -34°C (-30°F) minimum with Jet-A -41°C (-42°F) minimum with Jet A-1			
Maximum Cabin Operating Pressure Differential	5.5 PSID			
Control Surface Movements	Aileron Elevator Elevator Trim Tab Rudder Rudder Trim Tab Wing Flaps	$(\pm 1^{\circ}) (\pm .5^{\circ}) (+0^{\circ}, -1^{\circ}) (+1^{\circ} - 0^{\circ}) (\pm 1^{\circ}) (+0^{\circ}, -1^{\circ})$	Up 18° Up 23.5° Up 19° Left 26° Left 13.5° Up 0°	Down 18° Down 14.5° Down 24.5° (Elevator Neutral) Right 30° Right 13° (Rudder Neutral) Down 36°
Manufacturer's Serial Numbers	4697001 and up			
DATA PERTINENT TO ALL MODE	ELS_			
Datum	100 in. forward pressure bul	khead.		
Leveling Means	Top or bottom fuselage at B	.L. 0 (consta	ant section).	
Certification Basis	Type Certificate No. A25SC Date of application for Type			
	September 1, 1977; and FA May 6, 1988 when equipped	uary 1, 1965 3(e) as amer 831(c) and (R 36, Apper 1 with 2 blace December 35.	nded by Amendme (d) as amended by ndix F through An de propeller or FA 18, 1988 when ec	nt 25-54, effective Amendment 25-41, effective nendment 36-15, effective
	effective March 6, 1980 unl Amendment 23-26, effective 23-28, effective April 28, 19 effective March 26, 1984; F 11, 1986; FAR 23.173, 23.3 effective February 17, 1987; amended by Amendment 23 23.421, 23.423, 23.425, 23. 23-42, effective February 4, 23.967, 23.971, 23.977, 23. 23.1027, 23.1103, 23.1123, 23.1385, 23.1387, 23.1441, effective May 10, 1993; FA 23.397, 23.479, 23.485, 23. 23.1525, 23.1527, 23.1549 effective September 7,1993; 23.349, 23.371, 23.391, 23. 23.611, 23.629, 23.657, 23.	ess otherwis e October 14 982; FAR 23 AR 23.781 a 33, 23.443, ; FAR 23.2, -36, effectiv 427, 23.831 1991; FAR 991, 23.993 23.1145, 23 , 23.1443, an R 23.23, 23. 571, 23.572 , 23.1557, a FAR 23.30 393, 23.399 673, 23.723, 2	e indicated herein 4, 1980; FAR 23.4 5,994 and 23.995 a as amended by Am and 23.1165 as an 23.783(a), (b), (e) re September 14, 1 , 23.939, and 23.1 23.905, 23.937, 2 , 23.997, 23.999, 2 3.1189, 23.1193, 2 nd 23.1445 as ame 141, 23.181, 23.2 , 23.621, 23.655, 2 nd 23.1563 as amo 1, 23.335, 23.337, , 23.415, 23.457, 2 , and 23.865 as am 3.735, 23.745, 23.	163 as amended by Amendment 3.943, 23.951, 23.957, 23.961, 23.1011, 23.1019, 23.1021, 3.1322, 23.1331, 23.1357, ended by Amendment 23-43, 51, 23.305, 23.321, 23.361, 23.731, 23.733, 23.773, 23.1507, ended by Amendment 23-45, , 23.341, 23.343, 23.345, 23.347, 23.473, 23.499, 23.561, 23.575, nended by FAR 23-48, effective 775, 23.841, 23.853, 23.867,

	23.1359, 23.1361, 23.1383, 23.1401, 23.1447, 23.1451, and 23.1453 as amended by Amendment 23-49, effective March 11, 1996; FAR 23.3, 23.25, 23.33, 23.45, 23.49, 23.51, 23.53, 23.63, 23.65, 23.69, 23.71, 23.73, 23.75, 23.77, 23.143, 23.145, 23.153, 23.155, 23.157, 23.161, 23.175, 23.177, 23.201, 23.203, 23.207, 23.221, 23.233, 23.235, 23.253, 23.1325, 23.1511, 23.1521, 23.1543, 23.1553, 23.1555, 23.1559, 23.1567, 23.1581, 23.1583, 23.1585, 23.1587, and 23.1589 as amended by Amendment 23-50, effective March 11, 1996; FAR 23.777, 23.779, 23.901, 23.903, 23.907, 23.925, 23.929, 23.933, 23.955, 23.959, 23.963, 23.965, 23.973, 23.975, 23.1013, 23.1041, 23.1043, 23.1045, 23.1091, 23.1093, 23.1121, 23.1141, 23.1143, 23.1153, 23.1181, 23.1183, 23.1191, and 23.1337 as amended by Amendment 23-51, effective March 11, 1996; and FAR 23.1305 as amended by Amendment 23-52, effective July 25, 1996. In addition, FAR 34.11, effective September 10, 1990, and FAR 36, Appendix G, Amendment 36-22. Equivalent Level of Safety (ELOS) for FAR 23.955(f)(3), June 6, 2000. Special Condition 23-096-SC (Docket CE153), August 27, 1999.
Production Basis	Production Certificate No. 206. Production Limitation Record issued and the manufacturer authorized to issue airworthiness certificate under the delegation option provisions of FAR 21.
Equipment	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification.
	In addition, one of the following items of equipment are required:
	 DOA No. SO-1 approved Airplane Flight Manual Piper Report FT 157, Appendix D or Pilot's Operating Handbook and FAA approved Airplane Flight Manual Report No. VB-1200 for Model PA-46-310P, S/N 46-8408001 through 46-8608067, and 4608001 through 4608007.
	 DOA No. SO-1 approved Pilot's Operating Handbook and FAA approved Airplane Flight Manual Report No. VB-1300 for Model PA-46-310P, S/N 4608008 through 4608140.
	 DOA No. SO-1 approved Pilot's Operating Handbook and FAA approved Airplane Flight Manual Report No. VB-1332 for Model PA-46-350P, S/N 4622001 through 4622200.
	 DOA No. SO-1 approved Pilot's Operating Handbook and FAA approved Airplane Flight Manual Report No. VB-1609 for Model PA-46-350P, S/N 4636001 through 4636020.
	 DOA No. SO-1 approved Pilot's Operating Handbook and FAA approved Airplane Flight Manual Report No. VB-1602 for Model PA-46-350P, S/N 4636021 through 4636131.
	 DOA No. SO-1 approved Pilot's Operating Handbook and FAA approved Airplane Flight Manual Report No. VB-1446 for Model PA-46-350P, S/N 4636132 through 4636195.
	 DOA No. SO-1 approved Pilot's Operating Handbook and FAA approved Airplane Flight Manual Report No. VB-1710 for Model PA-46-350P, S/N 4636196 and up.
	 B. DOA No. SO-1 approved Pilot's Operating Handbook and FAA approved Airplane Flight Manual Report No. VB-1689 for Model PA-46-500TP, S/N 4697001 and up.

Noise Characteristic	cs		The corrected noise level of the Model PA-46-310P is 74.8 dBA at the Maximum Normal Operating Power at 2600 rpm. The noise level stated above has been approved by the Federal Aviation Administration in noise level test flights conducted in accordance with FAR 36, "Noise Standards: Aircraft Type and Airworthiness Certification." The aircraft noise is in compliance with FAR 36 noise standards applicable to this type.
			The corrected noise level of the Model PA-46-350P is 74.7 dBA at the Maximum Normal Operating Power at 2500 rpm. The noise level stated above has been approved by the Federal Aviation Administration in noise level test flights conducted in accordance with FAR 36, "Noise Standards: Aircraft Type and Airworthiness Certification." The aircraft noise is in compliance with FAR 36 noise standards applicable to this type.
			The corrected noise level of the Model PA-46-350P equipped with the optional 3 blade propeller is 79.7 dBA at the Maximum Normal Operating Power at 2500 rpm. The noise level stated above has been approved by the Federal Aviation Administration in noise level flight tests conducted in accordance with FAR 36, "Noise Standards: Aircraft Type and Airworthiness Certification." The aircraft noise is in compliance with FAR 36 noise standards applicable to this type.
			The corrected noise level of the model PA-46-500TP equipped with the standard 4 blade propeller is 73.7 dBA at the Maximum Normal Operating Power at 2000 RPM. This noise level has been approved by the Federal Aviation Administration in noise level flight tests conducted in accordance with FAR 36, "Noise Standards: Aircraft Type and Airworthiness Certification." The aircraft noise is in compliance with FAR 36 noise standards applicable to this type.
NOTE 1.			ht and Balance Report, including list of equipment included in certificated empty ading instructions when necessary, must be provided for each aircraft at the time of ication.
			empty weight and corresponding center of gravity locations must include ystem oil (not included in oil capacity) and unusable fuel as noted below:
	(a)	<u>PA-46-310P</u> Fuel: Oil:	12 lb. at (+152.37) 2.8 lb. at (+53.5)
	(b)	<u>PA-46-350P</u> Fuel: Oil:	12 lb. at (+152.37) 3.8 lb. at (+61.0)
	(c)	<u>PA-46-500TF</u> Fuel: Oil:	20.1 lbs. at (+144.37) 5.55 lbs. at (+77.76)
			ed in the POH and AFM must be installed in the appropriate locations. The following splayed in clear view of the pilot:
	"The	e markings and	placards installed in this airplane contain operating limitations which must be

complied with when operating this airplane in the Normal Category. Other operating limitations which must be complied with when operating this airplane in this category are contained in the Airplane Flight Manual. No aerobatics maneuvers, including spins, approved."

NOTE 3	 (a) <u>PA-46-310P</u> The life limit of the fuselage assembly, P/N 82250, is 10,145 hours time-in-service. The life limit of the wing assembly, P/N 83100, is 15,580 hours time-in-service.
	 (b) <u>PA-46-350P</u> The life limit of the fuselage assembly, P/N 89600, is 10,145 hours time-in-service. The life limit of the wing assembly, P/N 89640, is 15,580 hours time-in-service.
	 (c) <u>PA-46-500TP</u> The life limit of the fuselage assembly, P/N 89600-4, is 10,145 hours time-in-service. The life limit of the wing assembly, P/N 89640-4, is 13,349 hours time-in-service.
NOTE 4	PA-46-350P serial numbers 4636196 and up incorporate additional structural strengthening of the wing landing gear that affects the maximum weights and C.G. range. This accounts for differences with respect to serial numbers 4622001 through 4622200 and 4636001 through 4636195.
NOTE 5	Model PA-46-500TP: The maximum propeller shaft overspeed limit for the PT6A-42A is 100% (2205 r.p.m.) of all ratings. 91% propeller shaft speed is defined as 2000 r.p.m. and is the normal steady state operating limit. Gas generator speeds up to 104% are permissible for 10 seconds and 101.6% for unlimited periods subject to applicable temperature and other limits. 100% gas generator speed is defined as 37,500 r.p.m.
NOTE 6	Model PA-46-500TP: Minimum propeller speed (N_p) corresponding to minimum idle gas generator speed (N_g) is 1200 RPM.

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