

# Fuel System

## Tank Rules

- (1) No tank is to be changed under 3000 ft.
  - (2) All empty tanks must be turned off.
  - (3) Tanks must be turned on before empty tanks are turned off.
  - (4) All balancing of tanks must be done on the ground <sup>journey</sup>.
  - (5) When fuelled No 7 must be used first.
  - (6) No tank is to be completely emptied on the ground <sup>journey</sup>.
  - (7) Oil & line log must be kept before systems.
  - (8) Tanks No 2+4 must be on at the following times:
    - (a) At Takeoff.
    - (b) During any violent manoeuvre (AA or fighter)
    - (c) In the Target Area.
    - (d) On return to base.
- No fuel other than 100 below is to be used.

Load	Sequence	Remarks
2, 4, 5	2+4	T.O.
	5 IEB	Balance to 80 gals
	2+5	Return 50 gals in No 5
	2+4	Target.
	2+5	Unless over sea
	2+4	Base
1, 2, 4, 5	2+4	T.O.
	1+5	Do not empty 1.
	2+5	Return 50 in 5
	2+4	Target
	2+5	Unless over sea
	2+4	Base

2, 4, 5, 6

2 + 4  
5  
2 + 6  
2 + 4  
2 + 5  
2 + 4

T.O.  
Balanced to 50 ft  
Not empty 6  
Target  
Within one sea  
Boat

1, 2, 4, 5, 6

2 + 4  
5  
1 + 6  
2 + 4  
2 + 5  
2 + 4

T.O.  
Balanced to 50 ft  
Not empty  
Target  
Within one sea  
Sea

1, 2, 3, 4, 5, 6

Return No 3 for ditching

2 + 4  
5  
1 + 6  
2 + 4  
2 + 3  
2 + 4

T.O.  
Balanced to 100 ft  
Not empty  
Target  
Within one sea  
Boat

1, 2, 3, 4, 5, 6, 7.

No. 3 for ditching

2 + 4  
7 + 6  
7 + 5  
1 + 5  
2 + 5  
2 + 4  
2 + 3  
2 + 4

T.O.  
Do not completely  
empty tanks.  
Target  
Within one sea  
Boat



Economical cruising 55-160 165  
Flight Fuelled

Stalling speed

Weight 1000 lb.	48-52	52-56	56-62	62-66	66-70
SS 4/64 flaps up	115	120	125	130	135
SS " " " down	95	100	107	115	120

3 Engines Working minimum speed 150