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Date: 5/19/2026

Subject: WPR24LA160 Fuel Burn Estimation

Title: Fuel Computation Plot

The following fuel burn calculations were calculated using the Lycoming Part Throttle Fuel Consumption Chart, pilot's reported flight time, and power settings (2,300 rpm, 23 inches of Manifold Pressure).

Takeoff Power Setting: Full Power

Cruise: Power Setting: 2,300 rpm, 23 inches of manifold pressure

Conditions: Full Rich STD Sea Level

Phase of Flight	Duration (Minutes)	Fuel Burn/GPH	Fuel Burn/GPM	Fuel Used:
Climb:	5	25.5	0.425	2.125
Cruise/Descent:	85	15.8	0.263333333	22.38333333
			Fuel Used:	24.50833333

SECTION 3
OPERATING INSTRUCTIONS

LYCOMING OPERATOR'S MANUAL
O-540, IO-540 SERIES

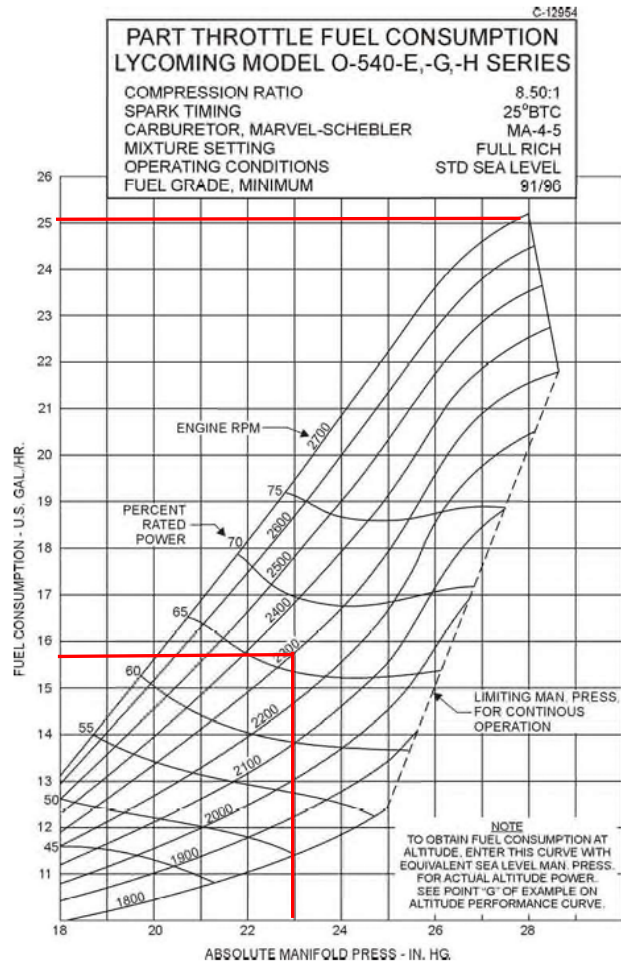


Figure 3-8. Part Throttle Fuel Consumption Curve –
O-540-E, -G, -H

3-20

Figure 1: Lycoming Engines - Part Throttle Fuel Consumption Chart - With plotted calculations.