

Joshua Young
Air Safety Investigator
AS-ERA

Date: 4/16/2025

Subject: ERA25LA003, Lycoming Fuel Consumption

Contact: Russel Gait, Supervisor, Air Safety, Lycoming Engines

Mr. Gait was contacted by the IIC via electronic mail and asked the following question:

Do you know what the fuel consumption of an O-360-A4A would be if left fully rich in flight on a PA-28?

Mr. Gait responded with the following:

"Depends on the power setting the pilot was using, looking at our engineering specification sheet for the O-360-A4A it lists the follow:

Rated power ~15.6 gph

75% rated power 9.7 gph

65% rated power 8.3 gph

60% rated power 7.7 gph"