

PIF 06-02
February Safety Meeting 21 FEB 06
Fuel Awareness

The meeting began at 1900 discussing general housekeeping issues then a AOPA Air Safety Foundation video briefing was shown consisting of the following bullets.

Av Gas vs Automobile gas

- **av gas is a higher octane making it less likely to cause knocking in a high compression engine**
- **avgas contains lead which aids in cooling engine valves and prevents pre ignition**
- **avgas is color coded - 100LL has a light bluish tint to it.**

Proper fueling

- **if possible, be on hand to observe the fueling**
- **check receipts for proper type of fuel and fuel amount**
 - 100LL = blue tint**
 - 100octane= green tint**
 - 80 octane=red tint**
- **Jet fuel is similar to kerosene and is clear in color**
- **if jet fuel is mixed with avgas then color tint will be dissolved**

Leaning mixture

- **leaning the mixture reduces the amount of fuel vs air in the carburetor**
- **mixture should be leaned for an extended taxi and while in cruise flight or operating at 75% power**
- **leaning the mixture will greatly improve performance and reduce spark plug fowling mixture should be leaned until peak EGT (exhaust gas temp.)**
if plane is not equipped with EGT gauge then lean until engine roughness,
then 3 half turns enriched

The Meeting was adjourned at 1940.