



FUEL FACTS

AVGAS 80 – Aviation Gasoline for Reciprocating Engines with lower octane requirements.
Color: red, flash point - below 0°F
API gravity 64-75, relative density .6582-.7238

AVGAS 100 – Aviation Gasoline for Reciprocating Engines with greater anti-knock requirement.
Color: green, flash point - below 0°F
API gravity 64-75, relative density .6582-.7238

AVGAS 100LL – Aviation Gasoline for Reciprocating Engines with lower maximum lead content.
Color: Blue, flash point - below 0°F
API gravity 64-75, relative density .6582-.7238

JET A – Industry "Standard" Commercial Airline Fuel
Color: clear to amber, flash point 100°F
Freeze point -40°C (-40°F), 6.714 lbs./gal.
API gravity 37-51, relative density .775-.840

JET A-1 – Commercial Jet Fuel with slightly lower freeze point -47°C (-52°F), 6.714 lbs./gal.
API gravity 37-51

JP-5 (F-44) – Military Grade (MIL-T-5624) Turbine Fuel used primarily by U.S. Navy. Higher flash point than JET A (62°C), Has FSII added. Freeze point -46°C (-51°F), 6.826 lbs./gal. API gravity 41.1

JP-8 (F-34) – Military Grade (MIL-T-83133) Turbine Fuel, single battlefield fuel. Consists of JET-A-1 with FSII, corrosion inhibitor and static dissipator. Additive proportionately injected. Freeze point -47°C (-52°F), 6.652 lbs./gal., API gravity 45.6



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HELPFUL HINTS

Additive Injection Ratios

Fuel System Ice Inhibitor = 1000 - 1500 ppm

1 to 1.5 gallons of FSII per

1000 gals of AVGAS or Jet Fuel

Jet Fuel Biocide – Biobor®JF

Shock Treatment = 270 ppmw (by weight)

Approx. 1 oz to 37 gallons of Jet Fuel (by volume)

Maintenance Treatment = 135 ppmw (by weight)

Approx. 1 oz to 75 gallons of Jet Fuel (by volume)

Electrical Conductivity Additive

At Manufacturer: 3 ppm max.

At Retreatment: 5 ppm total

Limits: 50 to 450 ps/m at point of use

Corrosion Inhibitor/Lubricity Improver

Minimum Treatment: 9 ppm

Maximum Treatment: 24 ppm

**CI should not be added in amounts that
change electrical conductivity.**

U.S. Gallons x 3.785 = Liters

Pounds x 0.4536 = Kilograms

Cubic Meters x 264.2 = Gallons

One Fluid Ounce = 29.573 ML