



Aviation Action Alert

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Bringing Power to Flight

August 1994

94-1

SUBJECT: ENGINES OPERATED ON CONTAMINATED FUELS.

Champion Aviation has been made aware of the AD-94-14-13 dated June 23, 1994, concerning a number of aircraft on the West Coast that may have been exposed to contaminated AVGAS mixed with Jet-A-fuel.

If you suspect your engine has been subjected to detonation damage, and it was originally rated at 91 octane or higher fuel, we strongly suggest the replacement of your spark plugs. Detonation subjects the combustion chamber to adverse mechanical shock pressures of short duration, which does not cause an extensive rise in cylinder temperature. The effect of this mechanical shock will sometimes damage spark plug electrodes or crack the insulator internally which in most cases can only be determined by x-ray. Hidden damage is often difficult to determine with the limited equipment available in the field.

For assistance, contact your aircraft technician or your Champion Representative if you have any questions. If further information is required, please don't hesitate to call Champion Technical Services at (803) 843-5400.

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