



Department of the Interior

ACCIDENT PREVENTION BULLETIN

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Subject: Aircraft Fuel Filters

Area of Concern: Flight Safety

Distribution: All Aviation Activities

Discussion: Aviation fuel filters are critical fuel system components that ensure the fuel delivered at the nozzle is combustible (no sediment or water). The following aviation fuel filter servicing parameters (items 1-4) relate to filter replacement due to contamination. Item 5 is based on age vice contamination.

1. Filter replacement is required if the corrected differential pressure (DP) exceeds 15 PSIG.
2. Filter replacement may be required if the corrected DP drops to zero after showing a trend towards the maximum DP.
3. Filter replacement may be required if a significant reduction in flow rate (GPM) is detected. This parameter is specific to water absorbent media and for fuel systems without DP gauges.
4. Filter replacement is required if downstream contamination exceeds established contamination limits (15 PPM free water) or (26mg/ltr particulate).
5. All filters must be changed out annually or as directed by the applicable maintenance manual(s).

Please contact Charles Mathwig, DOI Fuels Specialist at 907-271-5061 if you require any additional information.



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