February 15, 1985

SUBJECT: OIL LEAK TROUBLESHOOTING MAINTENANCE TIP

TO: CESSNA ZONES, DISTRIBUTORS AND DEALERS

Oil leaks, especially those that appear in the engine compartment or on oil filled propellers, can be elusive at times due to air flow patterns and propeller rotation.

One method to consider in pinpointing these leaks is to --

1) Clean the suspected leak areas thoroughly with solvent and dry.

2) Spray the suspected areas with dye penetrant developer.

3) Reinstall the engine cowling and other removed equipment to ensure normal air flow for cooling and leak detection.

4) Accomplish a short run up, preferably to static RPM, in accordance with the applicable Pilot's Operating Handbook. If checking an oil filled propeller, cycle the propeller from high to low RPM 4 or 5 times.

5) After locating the leak source and effecting repairs, thoroughly clean the area sprayed with the developer. It is highly corrosive.

The dye penetrant developer will enhance the presence of an oil leak, since most leaks are very apparent against the white background.

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