Federal Aviation Administration, DOT

§ 23.1019 Oil strainer or filter.

(a) Each turbine engine installation must incorporate an oil strainer or filter through which all of the engine oil flows and which meets the following requirements:

1. Each oil strainer or filter that has a bypass, must be constructed and installed so that oil will flow at the normal rate through the system with the strainer or filter completely blocked.

2. The oil strainer or filter must have the capacity (with respect to operating limitations established for the engine) to ensure that engine oil system functioning is not impaired when the oil is contaminated to a degree that is greater than that established for the engine for its type certification.

3. The oil strainer or filter, unless it is installed at an oil tank outlet, must have a means to connect it to the warning system required in §23.1305(c)(9).

(b) Each oil strainer or filter in a powerplant installation using reciprocating engines must be constructed and installed so that the release of collected contaminants is minimized by appropriate location of the bypass to ensure that collected contaminants are not in the bypass flow path.

5. The breather outlet is protected against blockage by ice or foreign matter.