



U.S. Department
of Transportation
**Federal Aviation
Administration**

Aircraft Certification Service
Special Certification Office, ASW-190

2601 Meacham Blvd.
Fort Worth, TX 76193-0190

JUN 30 2006

Mr. Greg Merrell
Aircraft Specialties Lubricants, LLC
2860 North Sheridan Road
Tulsa, Oklahoma 74115

This letter is regarding FAA Project Number SP8028SC-Q for the evaluation of an aircraft reciprocating engine oil additive. A 500 hour flight test program was conducted in accordance with FAA Advisory Circular No. 20-24B, "Qualification of Fuels, Lubricants, and Additives for Aircraft Engines".


Based on the conformity inspections, the test report, and the post-test visual and dimensional inspections conducted, the Aircraft Specialties Lubricants "Cam Guard" is considered satisfactory for use in aircraft reciprocating engines with these limitations:

- a. Engines with up to 800 cubic inches displacement
- b. Engines with up to 400 rated horsepower
- c. Engines that do not incorporate turbochargers (Note, a turbocharger is defined as an exhaust gas-driven turbine turning an air compressor using a common shaft.)
- d. Engines manufactured in the United States (U.S.A.)
- e. For use only with aircraft, ashless dispersant oil, meeting SAE J1899

The "Cam Guard" oil additive must be used in accordance with the label instructions on the container. (A 5% mixture or 1.6 ounces of "Cam Guard" per quart of SAE J1899 Lubricating Oil, Aircraft Piston Engine, Ashless Dispersant oil.)

The FAA acceptance is based upon the test results showing no detrimental effects on a Lycoming Engines, Model IO-540 reciprocating engine.

Sincerely,


S. Frances Cox, Manager
Special Certification Office
Aircraft Certification Service