

## CURRICULUM VITAE

**DONALD E. SOMMER, P.E.**

### CURRENT POSITION

President and owner of Aeroscope, Inc., 11901 Allison Street, Broomfield, Colorado, 80020. Aeroscope, Inc., is involved in forensic engineering, aircraft accident reconstruction, manufacturing disputes, computer modeling, failure analysis of airframes, engines and aircraft systems.

### EDUCATION AFTER HIGH SCHOOL

- Bachelor of Science - Engineering (Mechanical Engineering)  
University of Michigan - 1969
  
- Graduate work in instrumentation, testing systems and Cryogenics 1967-1969.

### FAA RATINGS

- Airline Transport Pilot
  - Citation Jet Type Rating
  - Airplane - Single Engine Land
  - Airplane - Multi-Engine Land
  
- Commercial Pilot
  - Glider
  - Airplane - Single Engine Sea
  - Rotorcraft/Helicopter
  
- Certified Flight Instructor
  - Airplane - Single Engine Land
  - Airplane - Single Engine Sea
  - Airplane - Multi-Engine Land
  - Instrument - Airplane
  - Glider

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FAA RATINGS continued

- Ground Instructor
  - Primary
  - Advanced
  - Instrument
  
- Mechanic
  - Airframe
  - Powerplant
  
- FAA Inspection Authorization
  
- Second Class FAA Medical

ENGINEERING EXPERIENCE

- Mechanical systems design and testing
- Hydraulic systems design and testing
- Instrumentation - Mobile and fixed
- Design and production of new products and sub-components
- Failure analysis
- Analysis and reconstruction of hundreds of General and Commercial aviation accidents including Valuejet 592, Alaska Air 261, TWA 800, United 232, US Air 427, United 585, Silk Air MI185, Egypt Air 990, Continental 1713 and the Bombing of UTA 772.

AERONAUTICAL EXPERIENCE

- Over 16,000 hours Pilot in Command
- Operated numerous single engine, most twin engine, Turbo Commander, Conquest, King Air, Mitsubishi, and Citation jets
- Owned and operated several aircraft maintenance facilities for major and minor repairs and alterations
- Owned and operated business aircraft.
- Airport manager of active metropolitan Detroit airport
- Owned and operated several air charter businesses
- Owned and operated new aircraft franchised dealership
- Numerous aircraft appraisals - large and small aircraft

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PROFESSIONAL MEMBERSHIPS

- Aircraft Owners and Pilots Association
- International Society of Air Safety Investigators
- The Twin Cessna Flyer
- The Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Landscape Architects
- National Association of Flight Instructors
- National Fire Protection Association

AREAS OF SPECIALIZATION

- Aircraft Accident Reconstruction
- In-flight and Stationary Instrumentation Systems and Testing
- Mechanical and Hydraulic Systems
- Aircraft Performance
- Aircraft and Engine Design and Operation
- Failure Analysis
- Interpretation of FAA Regulations
- Pilot Reactions
- Pilot Training