AEROSPACE RECOMMENDED PRACTICE

ARP1894	REV. B

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Superseding ARP1894A

Useful Life Determination for Chemical Oxygen Generators

RATIONALE

The sponsoring Committee believes the technical content of this document is stable in nature and there are unlikely to be technology developments that would alter or reduce the utility of the present technical content.

STABILIZED NOTICE

This document has been declared "Stabilized" by the SAE A-10 Aircraft Oxygen Equipment Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

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1. SCOPE:

The scope of this document is to provide a guideline for the preparation of a plan for testing of in-service chemical oxygen generators to confirm their design useful life. The test program should also allow determination with a sufficient level of confidence, whether generators are suitable for further use (i.e., life extension, or if the useful life limit has been reached).

2. REFERENCES:

2.1 Applicable Documents:

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1.1 SAE Publications: Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

AS1303	Portable Chemical Oxygen
AS1304	Continuous Flow Chemical Oxygen Generators
ARP1320	Determination of Chlorine in Oxygen from Solid Chemical Oxygen Generators
AS8010	Aviator's Breathing Oxygen (ABO) Purity Standard

2.1.2 FAR Publications: Available from Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591.

FAR PART 23	Airworthiness Standards, Normal, Utility, Acrobatic and Commuter
FAR PART 25	Airworthiness Standards, Transport Category Aircraft