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Comprehensive Life Test for 12 V Automotive Storage Batteries

RATIONALE

This document is published as Stabilized – the technology has not changed and does not need to be updated.

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INTRODUCTION

The SAE Storage Battery Committee commissioned a task force to investigate alternatives to the current high temperature (75 °C) SAE J240b life test. The objective for the task force was to develop a life cycle test that would produce the failure modes found in high temperature service for the most common commercially available 12 V Starting Lighting and Ignition lead-acid battery manufacturing technologies. This test procedure is the result of a three year industry sponsored study involving large-scale laboratory testing and vehicle fleet.

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