

July 3, 2007

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SUBJECT 448A

OUTLINE OF INVESTIGATION

FOR

FLEXIBLE COUPLINGS AND CONNECTING SHAFTS FOR FIRE PUMPS

Issue Number: 4

JULY 3, 2007

Summary of Topics

This new issue of SU 448A includes the following changes:

Added requirements for flexible connecting shafts.

Revised Endurance and Starting Cycle Test.

Updated Oven Aging Test Temperature Selection.

Revised Marking and Installation Instruction requirements.

Change title from "Flexible Couplings for Connecting Fire Pumps to Drivers" to "Flexible Couplings and Connecting Shafts" for Fire Pumps"

The UL Foreword is no longer located within the UL Standard. For information concerning the use and application of the requirements contained in this Standard, the current version of the UL Foreword is located on ULStandardsInfoNet at: <http://ulstandardsinfo.net.ul.com/ulforeword.html>

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INTRODUCTION

1 Scope

1.1 These requirements cover flexible couplings and flexible connecting shafts intended to connect the shaft of a fire pump to a fire pump driver.

1.2 Flexible couplings and flexible connecting shafts covered by this Outline of Investigation are intended for installation and use in accordance with the Standard for Installation of Stationary Pumps for Fire Protection, NFPA 20.

1.3 A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements in this outline, and that involves a risk of fire, electric shock, or injury to persons shall be evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of this outline. A product whose features, characteristics, components, materials, or systems that conflict with specific requirements or provisions of this outline cannot be judged to comply with this outline. Where considered appropriate, revision of requirements shall be proposed and adopted in conformance with the methods employed for development, revision, and implementation of this outline.

2 Components

2.1 Except as indicated in 2.2, a component of a product covered by this outline shall comply with the requirements for that component.

2.2 A component is not required to comply with a specific requirement that:

- a) Involves a feature or characteristic not required in the application of the component in the product covered by this outline, or
- b) Is superseded by a requirement in this outline.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

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