

Subject 2586

August 24, 2018

SUMMARY OF TOPICS

The following change in requirements to the Standard for Hose Nozzle Valves, UL 2586, is being proposed:

1. Update standard references and clarifications

STP BALLOTS AND ALL COMMENTS DUE: September 24, 2018

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Update standard references and clarifications

RATIONALE

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Update standard references to reflect most recent versions and to clarify the Exception for alternate non-metallic materials.

PROPOSAL

INTRODUCTION

1 Scope

1.4 For hose nozzle valves intended to be used with gasoline/ethanol blends with nominal ethanol concentrations above 10%, refer to ~~Outline of Investigation for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85), UL 87A~~ the Standard for Safety for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85), UL 2586A, for additional requirements.

1.5 ~~Refer to Outline of Investigation, UL 87B, for additional requirements for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil~~ For additional requirements for hose nozzle valves for diesel fuel, biodiesel fuel, diesel/biodiesel blends with nominal biodiesel concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil refer to the Standard for Safety for Hose Nozzle Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil, UL 2586B.

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PERFORMANCE

14 Hose Nozzle Valve Guard Strength Test

14.4 For all hose nozzle valves, the test sample is to be dropped ten times. For hose nozzle valves that have a nonmetallic operating lever guard assembly and/or a nonmetallic vacuum cap the test sample is to be dropped ten times on the guard and ten times on the vacuum cap. The spout of the test sample need not incorporate a shear groove or machined weak section, even though such is normally provided in the assembly. When the spout breaks off during the test, it shall be replaced and the test continued. At the completion of this test, the operating lever guard is to remain intact. The test nozzle valve is to function as intended when operated as specified in 15.1.1.

Exception: A hose nozzle valve that uses the same material for the operating lever guard and the plastic vacuum cap only needs the drop test conducted on both parts after conditions a and b. The remaining conditions (c, d, e, and f) and drop tests only need to be conducted on the lever guard. Refer to 14.6 for the different conditions.

Exception No. 1: A hose nozzle valve that uses the same material for the operating lever guard and the plastic vacuum cap only needs the drop test conducted on both parts after conditions a and b. The remaining conditions (c, d, e, and f) and drop tests only need to be conducted on the lever guard. Refer to 14.6 for the different conditions.

Exception No. 2: When alternate non-metallic materials are used for the hose nozzle valve guard, testing to verify operation as specified in 15.1.1 is not required.

25 Tests of Synthetic Rubber Parts

25.1 General

25.1.1 A synthetic rubber part in contact with one of the fluids indicated in Table 25.1 shall not show change in volume of more than 25 percent swelling (40 percent in Reference Fuel A, C, Reference Fuel C blends and H) or 1 percent shrinkage, or a weight loss (extraction) of more than 10 percent when considered on the basis of its intended function following immersion for 70 hours in the specified test liquid or shall meet the requirements in the Outline of Investigation for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 – E85), UL 87A Standard for Safety for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85), UL 2586A.

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