

**Standard Information**

**NOTE:** This SUN replaces Notice issued June 24, 2010 that identified Effective Date of May 17, 2013. Three Effective Dates now exist as noticed below.

**Standard Name:** Standard for Safety for Electric-Battery Powered Industrial Trucks  
**Standard Number:** UL 583  
**Standard Edition and Issue Date:** “NEW” 10<sup>th</sup> edition, Issued: August 15, 2012  
**Date of Revisions:** N/A  
**Date of Previous Revisions to Standard:** 9<sup>th</sup> edition, Issued: June 26, 1996, Revised: May 7, 2010  
**Date Issued by:** April 16, 2013 DTobias

**Effective Date of New/Revised Requirements**

**Effective Dates:** May 17, 2013  
August 15, 2015  
August 15, 2017  
SEE ATTACHED TABLES

**Impact, Fees, Overview, and Action Required**

**Impact Statement:** A review of all Listing Reports is necessary to determine which products comply with the new/revised requirements and which products will require re-evaluation and test. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on the Effective Date of August 15, 2017 unless product is found to comply with the new/revised requirements.

**Fees:** So that production of your products bearing the Listing Mark will not be interrupted, at some point between 5 –10 months before the Effective Date, our Engineers will begin reviewing your Listing Report (s) for compliance with these new/revised requirements. Either the Listing Report (s) will be revised to show compliance or a Findings Letter will be prepared and sent to your attention along with a quote for necessary re-evaluation and testing. This initial review of your Listing Report (s) will be covered by a direct billing project.

**For Hazardous location equipment, the Hazardous Equipment will be contacted for a proposal.**

**Overview:** This revision of the Standard includes the following changes in requirements:

Removal of “New and Unusual” scope paragraph  
Addition of marking requirements for Type E batteries  
Addition of text for insulating barriers for motors  
Revision of requirements for battery leads  
Revisions to UL 60730-1A references  
Revisions to Battery Compartment or Enclosure, Section 10  
Addition of lithium batteries  
Addition of Exceptions regarding barriers and liners for support of live parts  
Revisions to Temperature, Section 20  
Removal of 20.4.2

**Revisions to Brakes, Section 21**  
**Revisions to Dielectric Voltage Withstand Test**  
**Reinstate Section 23.2, Switches controlling other than motor circuits**  
**Revisions to Solid-State Circuitry, Section 25**  
**Allowance of plastic enclosures for switches, controllers, contactors, or similar arcing part provided in the power circuit**  
**Revisions to EX Truck Requirements**

Specific details of the new/revised clauses of the standard are found in the table below.

**Action Required:**

Information – If possible please submit the following information to assist with determining compliance for each of the items below. Please refer to the particular paragraph in the standard for further details.

Current Listings – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.

## Description of New/Revised Technical Requirements

Effective Date	Clause	Verdict	Comment	NO
May 17, 2013	9, 12	Verify, Info	Motors and wiring located in LVLE circuit are not required to comply with these requirements.	
May 17, 2013	10.1	Test	Dielectric test on motor followed after 7 hour conditioning @ 175 deg. C	
May 17, 2013	12.1(a)-(d), 12.2	Verify	Verify wiring meets one of the following standards: UL 758, UL 83, UL 62, SAE J1128	
Aug 16, 2015	12.1(e)-(i), 12.2	Verify	Verify wiring meets one of the following standards: UL 2726, SAE J1127, UL 1276, UL 1426, UL 1063	
May 17, 2013	25.1.1	Test	Overload Test - 100 cycles of making & breaking stalled rotor current on motor controller such as contactor and speed controller.  Switch or relay in LVLE circuit are not required to comply with these requirements	
Aug 15, 2017	41-52	Test	Type EX Trucks for use in Hazardous Locations, Class I, Division 1 requires evaluation	
Aug 15, 2017	53-58	Test	Type EX Trucks for use in Hazardous Locations, Class II, Group G, Division 1 requires evaluation	
Aug 15, 2015	25.2	Test	Additional exception for 2 for other than motor control switch	
Aug 15, 2015	25.3	Test	Overload test for switch/relay used outside ratings.	
			<b>CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used by you to assist in determining how current or future production of the product is or will be in compliance with the new/revised requirements by the Effective Date.</b>	