1 Purpose

The purpose of these requirements is to ensure that powered industrial vehicles (PIVs) meet applicable standards and are maintained in good working order. They cover inspection, storage, maintenance, marking, and modification of PIVs and associated attachments. They apply to workers (as operators and custodians), and Fleet Services.

2 Requirements

PIVs must be designed and manufactured in accordance with applicable standards (ASME B56.1-2004) and marked, stored, and maintained following the requirements below.

2.1 Inspection

PIVs must pass an initial inspection, conducted by a custodian, when first brought on-site and a pre-use inspection, conducted by the operator, before each shift (see PIV: Inspection Procedures).

2.2 Storage

Unattended PIVs must be parked away from high traffic areas and effectively barricaded where necessary. The fork tines will be lowered with tips on the floor or ground. The keys must not be left in parked PIVs.

2.3 Maintenance

PIV custodians in coordination with Fleet Services will establish and follow a program of regular maintenance to ensure that PIVs remain in a safe operating condition.

Only employees of Fleet Services or a third-party approved by it are permitted to maintain or repair PIVs.

2.3.1 Battery-charging Stations

Battery-charging stations for use with PIVs must meet the requirements of Cal/OSHA (8 CCR 5185) except that no eye wash or emergency shower is required since no battery maintenance is conducted in these areas.
2.4 Marking

Each PIV will have a conspicuously displayed, legible plate or other legible marking verifying that it is designed and manufactured in accordance with applicable standards. At a minimum, the marking must contain the following data:

1. Make, model, and manufacturer’s serial number
2. Rated capacity
3. Caution and/or restriction of operation

2.5 Modification

No modifications or additions to PIVs will be performed without written authorization from the manufacturer.

2.6 Attachments

Some attachments mount on the forks and others mount directly on the back rest. Modifications and additions including attachments that affect capacity and safe operation may not be performed without the manufacturer’s prior written approval. In the event the forklift manufacturer responds in the negative or does not respond, a qualified engineer can evaluate the attachment and determine if it can be used (see 8 CCR 3650). Capacity, operation, and maintenance instruction plates, tags, or decals must be changed to reflect the change in PIV weight, capacity, and center of gravity. The markings will show the approximate weight of the truck and attachment combination at maximum elevation with load laterally centered.

2.6.1 Fork Extensions

Manufacturer-approved fork extensions are only appropriate for specific tasks. The use of non-factory installed extensions requires the approval of the manufacturer or, as stated above, a qualified engineer. A rated load test will be documented and conducted every two years, and will be marked with the date of the last inspection. (See Chapter 41, “Hoisting and Rigging”, for lifting devices and inspection criteria.)

Extensions must be inspected before use for

- Bending
- Overloading
- Excess corrosion
- Cracking
- Other deterioration

2.7 Non-SLAC Equipment

Before bringing a leased or rented PIV onto SLAC property, the PIV custodian will verify that the vehicle meets the minimum requirements of this program.
3 Forms

The following are forms required by these requirements:

- None

4 Recordkeeping

The following recordkeeping requirements apply for these requirements:

- The custodian will ensure maintenance records are kept and made available for inspection upon request.

5 References

**SLAC Environment, Safety, and Health Manual** (SLAC-I-720-0A29Z-001)

- Chapter 48, “Powered Industrial Vehicles”
  - PIV: Inspection Procedures (SLAC-I-730-0A21C-009)
  - PIV: Operating Requirements (SLAC-I-730-0A21S-011)
- Chapter 41, “Hoisting and Rigging”

Other Documents