

STANDARD INFORMATION

Standard: ASME PASE

Standard ID: Safety Standard for Portable Automotive Service Equipment [ASME PASE:2019]

Previous Standard ID: Safety Standard for Portable Automotive Service Equipment [ASME PASE:2014]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **June 1, 2024**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Revisions to Scope
- New requirements for Design Considerations
- Revisions to Design Qualification Testing
- New requirements for Automotive and Mechanical Hydraulic Jacks
- New requirements for Automotive Stands
- New requirements for Mobile Vehicle Lifts and Jacks
- Additional Safety Markings
- New requirements for Engine Support Tools

Specific details of new/revised requirements are found in table below.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
1	Info	Introduction Scope <p>The scope of this Standard is the standardization of safety and performance requirements for portable automotive service equipment (PASE) including, but not limited to, the following:</p> <ul style="list-style-type: none">(a) attachments, adapters, and accessories<u>(b) automotive hydraulic jacks</u><u>(c) automotive mechanical jacks</u><u>(d) automotive stands</u>(e) automotive ramps<u>(f) mobile vehicle lifts and jacks</u>(g) vehicle transport lifts(h) vehicle-moving dollies<u>(i) component dollies and jacks</u>(j) shop cranes(k) engine stands(l) shop presses(m) oil-filter crushers(n) strut spring compressors(o) oil and antifreeze handlers(p) portable hydraulic power kits<u>(q) engine support tools</u> <p>This Standard includes requirements for safety, health, design, production, construction, maintenance, performance, or operation of electrical, mechanical, hydraulic, or pneumatically powered equipment, and qualification of personnel. Safety and construction requirements for electrical equipment are included in UL 201, Standard for Safety for Garage Equipment, and UL 2089, Standard for Safety for Vehicle Battery Adapters. As deemed necessary by the ASME PASE Committee, additional equipment classified as PASE-related can be added as the need arises, to ensure the safe operation of the equipment by the end user.</p>



CLAUSE	VERDICT	COMMENT
2	Info	General Requirements
2-2	Info	Design
		<i>New section added;</i>
		Design Considerations
2-2.3		2-2.3.1 Operating Controls 2-2.3.2 Travel Limit 2-2.3.3 Hydraulic Load Limiting Devices 2-2.3.4 Manual Operation 2-2.2.3.5 Hoses 2-2.3.1 Operating Controls
		See standard for details.
		Design Qualification Testing
2-3		a) In the design qualification testing of all PASE, the same sample shall be used for all tests where this is feasible. b) <u>Restraint of PASE in a manner that does not simulate intended use is not permitted during load testing.</u> c) <u>For each design or design change that may affect the PASE's ability to meet this standard, sample PASE built to design specifications shall be load tested. A centered preload of no more than 100% rated capacity may be applied and removed once to establish initial overall height.</u> d) <u>To conform to this standard, the PASE shall perform to design specifications and no functional damage shall occur, nor shall operational characteristics be detrimentally affected.</u>
		<u>If required, an external power unit is allowed to generate the pressure to lift the load throughout the lifting range. If an external power unit is used, then the integral pump shall be hydrostatically tested to 150% of maximum pressure experienced during the rated load capacity test. It is permitted to be performed outside of the PASE</u>
		<i>New section added;</i>
		Automotive Hydraulic Jacks
4		4-1 Scope, Configuration, and Illustrations 4-2 Design 4-3 Safety Markings and Messages 4-4 Design Qualification Testing
		See standard for details.



CLAUSE	VERDICT	COMMENT
		<i>New section added;</i>
		Automotive Mechanical Jacks
5		5-1 Scope, Configuration, and Illustrations 5-2 Design 5-3 Safety Markings and Messages 5-4 Design Qualification Testing
		See standard for details.
		<i>New section added;</i>
		Automotive Stands
6		6-1 Scope, Configuration, and Illustrations 6-2 Design 6-3 Safety Markings and Messages 6-4 Design Qualification Testing
		See standard for details.
		<i>New section added;</i>
		Mobile Vehicle Lifts and Jacks
8		8-1 Scope, Configuration, and Illustrations 8-2 Design 8-3 Safety Markings and Messages 8-4 Design Qualification Testing
		See standard for details.
16	Info	Strut Spring Compressors
16-4	Info	Safety Markings and Messages
		<i>New clause added;</i>
16-4.2		Additional Safety Markings (Strut Spring Compressors)
		Individual screw strut spring compressors shall include the following safety message: Tighten and loosen the screws evenly.



CLAUSE	VERDICT	COMMENT
		<i>New section added;</i>
		Engine Support Tools
19		19-1 Scope, Configuration, and Illustration 19-2 Design 19-3 Safety Markings and Messages 19-4 Design Qualification Testing
		See standard for details.
