



**Pipeline and Hazardous
Materials Safety Administration**

APPROVAL CA2016090013

(30th Revision)

ISSUED BY THE COMPETENT AUTHORITY OF THE UNITED STATES

EXPIRATION DATE: July 29, 2026

1. **APPROVAL HOLDER:** Jiangsu Tianhai Special Equipment Co.,
Ltd.
Yulong Road
Jingkou District
Zhenjiang City, Jiangsu Province
212006 China

2. **REGULATORY AUTHORITY:** 49 CFR § 107.807

3. **SYNOPSIS:** Jiangsu Tianhai Special Equipment Co. Ltd.
(JTSE) is authorized to manufacture DOT-4BA, DOT-8, DOT-
8AL, DOT-4BW cylinder specifications: DOT4BA209.6-260-00,
DOT101-00, DOT157-00, DOT183-00, DOT209-00, DOT254-00,
DOT228.6-500-00, DOT254-500-00, DOT16”(406)-TYCO-00,
DOT324-500-00, DOT406-500-00, DOT508-500-00, DOT508-500-
00A, DOT610-500-00, DOT209E-00 Rev.0.0, DOT209-00E Rev.0.0
and DOT254-00A Rev.0.1, DOT406-500-00A Rev.0.0, DOT508-500-
00 REV 0.2, DOT 157-00A, DOT 157-00B, DOT 157-00D, DOT 160-
00, DOT 324-500-00E, DOT254-500-00FT, DOT508-500-00FT,
DOT610-500-00FT, DOT101-260-00, DOT559-500-00, DOT324-500-
00FT, DOT406-500-00FT and DOT610-500-00C, DOT304-00,
DOT310-00, DOT610-500-00A, DOT254-00B, DOT508-500-00B,
DOT610-500-00D, DOT254-500-00FT(REV.0.1), DOT324-500-
00FT(REV.0.1), DOT406-500-00FT(REV.0.1), DOT508-500-
00FT(REV.0.1) and DOT610-500-00FT(REV.0.2), DOT254-400-00
(Rev.0.0), DOT762-240-00 (Rev.0.0), DOT8AL 304-X-00A Rev.
0.0; DOT8AL 304-X-00AA Rev.0.0, DOT 8AL 304-X-00D Rev.0.0
and DOT 8AL 304-X-00DA Rev.0.0, DOT229-400-00 Rev.0.0,
DOT229-400-00 Rev.0.1, DOT-4BW 360: drawing, DOT293-360-00
Rev.0.0, DOT-4BA 360: drawings (DOT90-360-00 Rev.0.0,
DOT110-360-00 Rev.0.0, DOT160-360-00 Rev.0.0, DOT180-360-00
Rev.0.0), DOT-8AL, drawings: DOT304-00 Rev.0.1, DOT310-00
Rev.0.1, DOT254-00A Rev.0.2, DOT183-00 REV.0.2, DOT209-00
REV.0.2, DOT508-500-00C REV.0.1, DOT254-00 REV.0.2,

DOT157-00 Rev 0.2, DOT183-00 Rev 0.3, DOT209-00 Rev0.3, DOT406-500-00C REV.0.0, DOT610-500-00E REV.0.0, DOT157-00A REV.0.1, DOT157-00B REV.0.1, DOT157-00D REV.0.1, DOT273-500-00, DOT324-500-00A, DOT406-500-00B, 0732450001 Rev 0.0, 0846250001 REV.0.0, 0876250001 REV.0.0 and 0861050003 REV.0.0, 0825450001 REV.00; 0832450001 REV.00; 0840650002 REV.00, 0861050002 REV.00, DOT101-00 Rev.0.2, DOT160-00 Rev.0.1, DOT209-00E Rev.0.1 and DOT209E-00 Rev.0.1, **0727350001 Rev.01 and 0840650003 Rev.00** specification cylinders by the **Electric-Arc Welding** manufacturing method at the facility located at the address above, under the supervision of the Independent Inspection Agency identified under section 5(b) of this approval.

4. **BASIS:** This approval is issued in response to Jiangsu Tianhai Special Equipment Co., Ltd. (JTSE)'s modification application dated April 07, 2022 requesting to add one (1) DOT 4BA and one (1) DOT 4BW specification cylinder to their approval. Represented by drawing number(s): **0727350001 Rev.01** (DOT4BA) and **0840650003 Rev.00** (DOT4BW) to their current CA approval.

5. **PERIOD OF VALIDITY AND CONDITIONS OF APPROVAL:** This approval does not provide relief from any requirements of the Hazardous Materials Regulations except as stated herein. This approval is valid until the posted expiration date or until terminated by the Associate Administrator for Hazardous Materials Safety.

- a. **Approval Authority:** The holder of this approval is authorized to manufacture and mark the above listed DOT cylinder type approval designs under the supervision of an independent inspection agency approved for that purpose in accordance with 49 CFR 178.59, 178.60, 178.61.

**DOT specification cylinders, DOT-4BA, DOT-8, DOT-8AL, DOT-4BW - Manufactured in accordance with
§§§§ 178.51, 178.59, 178.60, 187.61**

- b. **Approved Independent Inspector (IIA):** Only the following IIA is currently authorized to conduct onsite inspections at your manufacturing facility:

**Authorized Testing, Inc.
2522 Kansas Avenue
Riverside, CA 92507.**

c. **Registration Number: M0839** is your assigned registration number and must be marked on all DOT specification cylinders manufactured under the terms of this approval.

6. **Safety Controls:**

- a. If DOT specification cylinder production has not been undertaken for more than six months, the Office of Hazardous Materials Approvals and Permits must be notified prior to resumption of production. Additional sample testing and/or an onsite inspection may be required prior to resumption of production, at the discretion of PHMSA.
- b. No deviation from designs, materials, method of manufacture, inspection procedures or any technical information submitted in support of the manufacturer's or inspector's applications for approval is authorized unless approved in accordance with 6.d of this approval.
- c. Failure to assure adequate independent inspection and verification will be grounds for termination or other enforcement action as provided for in the regulations. PHMSA must be notified in writing prior to a change in independent inspection agency service companies.
- d. Advanced notice and written approval is required Before any of the following can be implemented:
 - 1) Technical changes in the manufacturing process or procedures are made.
 - 2) Adding a new DOT specification design, not meeting the requirements above, or authorization to manufacture a cylinder specification not currently authorized to be manufactured under the authority of this approval.
- e. If non-technical information, submitted in your application for approval changes, Approvals and Permits must be notified, in writing, within 20 days.

7. **SPECIAL PROVISIONS:**

- a. A current copy of this approval must be maintained and made available for examination at each location where cylinders are manufactured.

8. **GENERAL PROVISIONS:**

- a. Failure by any person to comply with the terms and conditions of this approval and the Hazardous Materials Regulations, 49 CFR Parts 171-180, may result in the modification, suspension or termination of that person's authority to use this approval. Failure to comply may also subject that person to penalties prescribed by 49 U.S.C. §§ 5123 and 5124. This approval may be modified, suspended or terminated in its entirety if that action is justified in light of changes in circumstances or additional information not available when this approval was issued. Unless immediate modification, suspension or termination is necessary to avoid a risk of significant harm to persons or property, before action is taken, that person will be notified and provided with an opportunity to show why the proposed action should not be taken.
- b. Each "Hazmat employee," as defined in § 171.8, who performs a function subject to this approval must be provided training on the requirements and conditions of this approval in addition to the training required by §§ 172.700 through 172.704.
- c. Any person operating under the terms of this approval must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- d. **This approval, as revised, supersedes all previous versions.**

Issued in Washington, D.C.

Dated: June 23, 2022

A handwritten signature in blue ink that reads "Duane M. Cassidy". The signature is written in a cursive style.

for William Schoonover
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous
Materials Safety, Pipeline and Hazardous Materials Safety
Administration, Department of Transportation, Washington, D.C.
20590. Attention: PHH-30.