

Holden, Roy Jay, Jr., Papers

Roy Jay Holden, Jr., Papers
1910-1989



Title Statement

Holden, Roy Jay, Jr., PapersRoy Jay Holden, Jr., Papers, 1910-1989 Ms.1991.023

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Revision Description

2020-09-14	Finding aid notes updated to new department standards. juliags
2021-05-05	LM Rozema added missing notes for an unprocessed collection (abstract, source, processing, bio note), added related materials note for father's papers, added FA title, added FA date from EAD, added faculty and students note, and added component with instances previously attached to collection level.

Descriptive Summary

Unit ID

Ms.1991.023

Unit Date

1910-1989

Unit Date

1965-1989

Language

The materials in the collection are in English.

Abstract

Papers of Roy Jay Holden, Jr. (1921-1989), an authority on railroad tank cars and the handling and transportation of hazardous materials, working for the American Car and Foundry Industries (1947-1970) and the Bureau of Explosives (later, Hazardous Materials Systems) of the Association of American Railroads (1973-1989). Includes reports, correspondence, drawings, specifications, and printed materials relating to the design and construction of railway tank cars and the handling and transportation of hazardous materials.

Creator

Holden, Roy Jay, 1921-1989

Extent

15.0 Cubic Feet 10 boxes

Physical Location

Please note: This collection is in off-site storage and requires 2-3 days notice for retrieval. Please contact Special Collections and University Archives for more information.

Repository

Special Collections and University Archives, Virginia Tech

Administrative Information

Conditions Governing Access

The collection is open for research.

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Source of Acquisition

The collection was acquired by Special Collections and University Archives prior to 2002.

Processing Information

Processing of the Roy Jay Holden Jr. Papers commenced in December 2025, and was completed in March 2026.

Preferred Citation

Researchers wishing to cite this collection should include the following information: [identification of item], [box], [folder], Roy Jay Holden, Jr. Papers, Ms1991-023, Special Collections and University Archives, Virginia Tech, Blacksburg, Va.

Biographical Note

Son of Roy Jay Holden, a Virginia Tech professor of geology, and Elizabeth Virginia Evans Holden, Roy Jay Holden Jr. was born in Blacksburg, Virginia on December 13, 1921. After obtaining a bachelor's degree in mechanical engineering from Virginia Tech in 1942, Holden joined the U. S. Army and served with the Coast Artillery Corps and Corps of Engineers during World War II. Following the war, Holden worked briefly at the Glenn L. Martin Company--specializing in design of aircraft controls, heating and ventilation, and electronic equipment--before joining ACF Industries in 1947. As chief project engineer for railroad tank cars, Holden designed and developed new containers and manufacturing methods. His curriculum vita during this time period lists three patents held in his name. In 1973, Holden became a technical service engineer for the Bureau of Explosives (later Hazardous Materials Systems) within the Association of American Railroads (AAR). At the AAR, Holden responded to questions from manufacturers, shippers, and railroad inspectors regarding tank car problems; assisted in the preparation of technical manuals; and participated in responses to--and clean-up of--railroad tank car accidents. He participated in technical meetings of the Chlorine Institute, the National LP Gas Association, and the AAR's Tank Car Committee and was involved in the establishment of the Transportation Test Center's Tank Car Safety School. He also presented technical papers and delivered addresses on the transportation of hazardous materials and emergency response, and he was sometimes called upon as an expert witness in court actions. He married Jane Elizabeth Hockenberry (1924-2015); the couple had one daughter. Roy Jay Holden Jr. died in Washington, D. C. on December 11, 1989.

Scope and Content

This collection contains the papers of Roy Jay Holden Jr. (1921-1989), a Virginia Tech graduate (BS mechanical engineering, 1942), an expert on railroad tank car design and the handling and transportation of hazardous materials employed by ACF Industries and the American Association of Railroads (AAR). The collection contains such materials as correspondence, reports, drawings and specifications, and printed materials, all related to tank car construction and hazardous materials. Included are applications from various shipping car manufacturers for approval and certification from the AAR; reports on performance of various tank cars and on mishaps involving tank cars; papers and journal extracts on hazardous materials; and promotional materials from various manufacturers and shippers. Also included are correspondence and meeting minutes of the AAR's Tank Car Committee, files relating to hazardous materials training and government regulation of shipping and hazardous materials. Of Holden's personal papers, the collection holds only a few files devoted to his search for employment in the early 1970s, some personal ephemera, photographs, and a book in which he recorded World Series baseball statistics.

Separated Materials

- *Report to the Association of American Railroads: A Review of Cost-Benefit Methodology Employed by the Association of American Railroads and Railways Progress Institute Railroad Tank Car Safety Research and Test Project Compared with a Related Analysis by Calspan Corporation*, June 1974.
- *The Official Railway Guide: North American Freight Service Edition*, September/October 1981.
- *Report to the Association of American Railroads Research and Test Department: Engineering Significance of Failure Analysis Information for Tank Car UTLX 98646., Which Developed a Head Fracture During Humping/Switching Operations in the Toronto Yards of the Canadian National Railroad*, Report No. WP-113, January 1985.
- *Metallurgical Investigation of a Dot-111A1--W4 Railroad Tank Car that Developed Leaks While in Ethylene Oxide Service*, February 1985.
- *Chemicals and Communications: Emergency Response Seminar*, June 1985.
- *The Official Railway Guide*, March/April 1987.
- *Hazardous Materials: Emergency and Environmental Response* (4th Annual International Hazardous Materials Association Conference), June 1987.

Related Archival Materials

VT Special Collections and University Archives also maintains the papers of Holden's father, the Roy Jay Holden Papers, Ms1982-014 and Holden's sister, the Virginia Hummel Papers, Ms1998-014.

Keywords

Railroad
Students and alumni
University History

Rights Statement for Archival Description

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Arrangement

The collection is arranged in alphabetical order.

Description of Subordinate Components

The "AB" Freight Brake Equipment - New York Air Brake Company Instruction Pamphlet 32

Unit Date 1954

box-folder Box 1

Container 1 (folder)

"AB-1-B" Freight Car Brake Equipment for Fast Freight Service - New York Air Brake Company Instruction Pamphlet 32, Supplement 1

Unit Date 1947

box-folder Box 1

Container 2 (folder)

"AB-7 5/8 - 12" Automatic Empty and Local Freight Car Brake Equipment - New York Air Brake Company Instruction Pamphlet 5062-5

Unit Date 1954

box-folder Box 1

Container 3 (folder)

The AB-7 5/8-12 Manual Empty and Load Freight Car Brake Equipment - New York Air Brake Company Instruction Pamphlet 70

Unit Date 1955

box-folder Box 1

Container 4 (folder)

The "AB-8" Automatic Empty and Local Freight Car Brake Equipment - New York Air Brake Company Instruction Pamphlet 5062-1

Unit Date 1936

box-folder Box 1

Container 5 (folder)

The "AB-10" Automatic Empty and Local Freight Car Brake Equipment - New York Air Brake Company Instruction Pamphlet 5062-2

Unit Date 1938

box-folder Box 1

Container 6 (folder)

Extent [2 copies]

Accident - Elkhart, Indiana

Unit Date 1986-1986, n.d.

box-folder Box 1

Container 7 (folder)

Accident - New Orleans

Unit Date 1987

box-folder Box 1

Container 8 (folder)

Accident summary tables

Unit Date 1969-1970, n.d.

box-folder Box 1

Container 9 (folder)

Accidents: newspaper clippings

Unit Date 1979-1987, n.d.

box-folder Box 1

Container 10 (folder)

ACF Industries - AAR application 811028

Unit Date 1981, n.d.

box-folder Box 1

Container 11 (folder)

ACF Industries - AAR application A741007

Unit Date 1974

box-folder Box 1

Container 12 (folder)

ACF Industries - AAR application A741014

Unit Date 1974

box-folder Box 1

Container 13 (folder)

ACF Industries - AAR application A741030

Unit Date 1974

box-folder Box 1

Container 14 (folder)

ACF Industries - AAR application

Unit Date 1974

box-folder Box 1

Container 15 (folder)

ACF Industries - AAR application A741050

Unit Date 1974

box-folder Box 1

Container 16 (folder)

ACF Industries - AAR application A751017

Unit Date 1975

box-folder Box 1

Container 17 (folder)

ACF Industries - AAR application A751025

Unit Date 1975

box-folder Box 1

Container 18 (folder)

ACF Industries - AAR application A751026

Unit Date 1975

box-folder Box 1

Container 19 (folder)

ACF Industries - AAR application A751052

Unit Date 1975

box-folder Box 1

Container 20 (folder)

ACF Industries - AAR application A761016

Unit Date 1976

box-folder Box 1

Container 21 (folder)

ACF Industries - AAR application A761022

Unit Date 1976

box-folder Box 1

Container 22 (folder)

ACF Industries - AAR application A761025

Unit Date 1976

box-folder Box 1

Container 23 (folder)

ACF Industries - AAR application A761031-A

Unit Date 1976

box-folder Box 1

Container 24 (folder)

ACF Industries - AAR application A761039

Unit Date 1976

box-folder Box 1

Container 25 (folder)

ACF Industries - AAR application A761045

Unit Date 1976

box-folder Box 1

Container 26 (folder)

ACF Industries - AAR application A761046

Unit Date 1976

box-folder Box 1

Container 27 (folder)

ACF Industries - AAR application B-766002-A

Unit Date 1976

box-folder Box 1

Container 28 (folder)

ACF Industries - AAR application C-766024

Unit Date 1976

box-folder Box 1

Container 29 (folder)

ACF Industries - AAR application C-766050

Unit Date 1976

box-folder Box 1

Container 30 (folder)

ACF Industries - AAR application C809092

Unit Date 1981

box-folder Box 1

Container 31 (folder)

ACF Industries - AAR applications

Unit Date 1976

box-folder Box 1

Container 32 (folder)

Extent [3 folders]

ACF Industries - AAR applications

Unit Date 1988

box-folder Box 1

Container 33 (folder)

ACF Industries - conversion of car from DOT 112A400W to DOT 111A100W2

Unit Date 1951-1977

box-folder Box 1

Container 34 (folder)

ACF Industries - drawings

Unit Date 1965-1973

box-folder Box 1

Container 35 (folder)

Extent [3 folders]

ACF Industries - "Information Manual: Universal Flange for Bottom Outlet Valves"

Unit Date [1968?]

box-folder Box 1

Container 36 (folder)

ACF Industries - Milton Plant

Unit Date 1963-1969, n.d.

box-folder 2 (box)

Container 1 (folder)

ACF Industries - pressure vessel sales conference

Unit Date 1956, n.d.

box-folder 2 (box)

Container 2 (folder)

ACF Industries - railway car parts catalog

Unit Date 1972

box-folder 2 (box)

Container 3 (folder)

ACF Industries - Shippers' Car Line Division

Unit Date 1961-1970, n.d.

box-folder 2 (box)

Container 4 (folder)

ACF Industries - tank car valves

Unit Date 1965-1976, n.d.

box-folder 2 (box)

Container 5 (folder)

Extent [2 folders]

ACF Industries - transparency drawing of tank car welded underparts

Unit Date 1952

box-folder 2 (box)

Container 6 (folder)

Airco welding machines

Unit Date 1969-1973, n.d.

box-folder 2 (box)

Container 7 (folder)

Alabama Fire College presentation

Unit Date n.d.

box-folder 2 (box)

Container 8 (folder)

American Association of Railroad Superintendents - annual meeting

Unit Date 1977

box-folder 2 (box)

Container 9 (folder)

American Steel Foundries

Unit Date 1972-1973, n.d.

box-folder 2 (box)

Container 10 (folder)

American Steel Foundries - Service Laboratory demonstration

Unit Date 1962-1963

box-folder 2 (box)

Container 11 (folder)

Amoco Safety Train

Unit Date n.d.

box-folder 2 (box)

Container 12 (folder)

"Analysis of Tank Car Failures Related to Rail Burn Deaths" - Association of American Railroads Research and Test Department Report R-551

Unit Date 1983

box-folder 2 (box)

Container 13 (folder)

Annandale, Virginia - map

Unit Date n.d.

box-folder 2 (box)
Container 14 (folder)

Ansul Tank Unit - AAR application A-829042

Unit Date 1982
box-folder 2 (box)
Container 15 (folder)

"The Application of Acoustic Emission Testing to Tank Cars"

Unit Date [1987?]
box-folder 2 (box)
Container 16 (folder)

Association of American Railroads Operations and Maintenance Department - memoranda

Unit Date 1972
box-folder 2 (box)
Container 17 (folder)

"Base Classification Value Study"

Unit Date 1972
box-folder 2 (box)
Container 18 (folder)

Blaw-Knox

Unit Date 1960-1972
box-folder 2 (box)
Container 19 (folder)

Bottom outlet valves

Unit Date 1977-1979, n.d.
box-folder 2 (box)
Container 20 (folder)

Bureau of Explosives - hazardous materials programs promotional materials

Unit Date 1987, n.d.
box-folder 2 (box)
Container 21 (folder)

Bureau of Explosives - personnel

Unit Date 1977
box-folder 2 (box)
Container 22 (folder)

Canadian General Transit Company - AAR application 25531

Unit Date 1970
box-folder 2 (box)
Container 23 (folder)

Canadian transportation

Unit Date 1983-1986, n.d.
box-folder 2 (box)

Container 24 (folder)

Car calculations

Unit Date n.d.

box-folder 2 (box)

Container 25 (folder)

Cardwell Westinghouse Company - catalog

Unit Date 1967

box-folder 2 (box)

Container 26 (folder)

Carlson, John S. and Company

Unit Date 1976, n.d.

box-folder 2 (box)

Container 27 (folder)

Caustic soda

Unit Date 1977-1981, n.d.

box-folder 2 (box)

Container 28 (folder)

Extent [2 folders]

CHEMTREC / CHEMNET - National Chemical Response & Information Center

Unit Date 1981, n.d.

box-folder 2 (box)

Container 29 (folder)

CHEMTREC - Hazard Information Transmission Program

Unit Date n.d.

box-folder 2 (box)

Container 30 (folder)

Chlorine containers

Unit Date 1958-1976, n.d.

box-folder 2 (box)

Container 31 (folder)

Chlorine Institute

Unit Date 1979

box-folder 2 (box)

Container 32 (folder)

Chlorine Institute Emergency Kit "C" for Chlorine Tank Cars & Tank Trucks

Unit Date 1983

box 2

Container 33 (folder)

Circular No. D. V. 1836 - AAR Operations and Maintenance Department, Mechanical Division

Unit Date [1975?]

box-folder 2 (box)

Container 34 (folder)

Clarks and American Employers v. Mine Safety Appliances and Gulf Canada Ltd., et al

Unit Date 1980

box-folder 2 (box)

Container 35 (folder)

Columbiana Boiler Company - AAR application A852232

Unit Date 1985

box-folder 2 (box)

Container 36 (folder)

Columbiana Boiler Company - AAR applications

Unit Date 1988

box-folder 2 (box)

Container 37 (folder)

Comanco Container Manufacturing Company

Unit Date n.d.

box-folder 2 (box)

Container 38 (folder)

Combustion Institute - Canadian Section Spring Technical Meeting

Unit Date 1984

box-folder 2 (box)

Container 39 (folder)

Compressed gas

Unit Date 1986-1988, n.d.

box-folder 2 (box)

Container 40 (folder)

"Concept Study for Sill-less Tank Cars - Component Assemblies" - American Car and Foundry Division, ACF Industries

Unit Date 1966

box-folder 2 (box)

Container 41 (folder)

Concept Study for Sill-less Tank Cars - Component Assemblies (Tank Diameters)" - American Car and Foundry Division, ACF Industries

Unit Date 1965

box-folder 2 (box)

Container 42 (folder)

Constructora Nacional de Carros de Ferrocarril - AAR application A-769018

Unit Date 1976

box-folder 2 (box)

Container 43 (folder)

Contacts list

Unit Date 1986

box-folder 2 (box)

Container 44 (folder)

Costello v. Chemetron Corporation

Unit Date 1967-1980, n.d.

box-folder 2 (box)

Container 45 (folder)

"Crystal Gazing into the Future of Tank Cars" paper

Unit Date n.d.

box-folder 2 (box)

Container 46 (folder)

Delta Air Cargo - promotional folder

Unit Date n.d.

box-folder 2 (box)

Container 47 (folder)

Derailment - Brazoria, Texas

Unit Date 1988

box-folder 2 (box)

Container 48 (folder)

Derailment - Jackson, South Carolina

Unit Date 1985

box-folder 2 (box)

Container 49 (folder)

Derailment - Miamisburg, Ohio

Unit Date 1986-1987

box-folder 2 (box)

Container 50 (folder)

Extent [2 folders]

Derailment - near Collins, Mississippi

Unit Date 1986, n.d.

box-folder 3 (box)

Container 1 (folder)

Derailment - near Cosnino, Arizona

Unit Date 1988

box-folder 3 (box)

Container 2 (folder)

Derailment - near Lake City, Florida

Unit Date 1987

box-folder 3 (box)

Container 3 (folder)

Derailment - Pine Bluff, Arkansas: Report of Basic Accident Data

Unit Date 1985

box-folder 3 (box)

Container 4 (folder)

Derailment - Youngstown, Florida

Unit Date 1978

box-folder 3 (box)

Container 5 (folder)

Dresser Transportation Equipment Division

Unit Date 1962-1972

box-folder 3 (box)

Container 6 (folder)

Duradome Shippers Car Line specifications - American Car and Foundry

Unit Date 1958-1963

box-folder 3 (box)

Container 7 (folder)

"Emergency Action Guides" - Association of American Railroads

Unit Date 1984

box-folder 3 (box)

Container 8 (folder)

Extent [6 folders]

Emergency Handling of Hazardous Materials in Surface Transportation - Bureau of Explosives

Unit Date 1977

box-folder 3 (box)

Container 9 (folder)

Emergency Handling of Hazardous Materials in Surface Transportation - Bureau of Explosives

Unit Date 1981

box-folder 3 (box)

Container 10 (folder)

Emergency services - printed materials

Unit Date 1983, n.d.

box-folder 3 (box)

Container 11 (folder)

"Ermeto -Hydexco Chemical Values"

Unit Date n.d.

box-folder 3 (box)

Container 12 (folder)

"Engineering Analysis of Tank Car Heat Transfer Test" - American Car and Foundry Division, ACF Industries

Unit Date 1968

box-folder 3 (box)

Container 13 (folder)

"Evolution and Performance of Tank Cars" - draft

Unit Date n.d.

box-folder 3 (box)
Container 14 (folder)

"Explosafe Installation Design" - Davis Engineering

Unit Date 1983
box-folder 3 (box)
Container 15 (folder)

"Explosion, Fire or Derailment: Tank Car Detail" reports

Unit Date 1985
folder 3 (box)
Container 16 (folder)

Explosion: hydrogen peroxide, Woodstock, Tennessee

Unit Date 1987
box-folder 3 (box)
Container 17 (folder)

"Feasibility Analysis for Tank Car Applications of New Microalloyed and Controlled Rolled Steels - Description of Fracture Properties and Comparisons with Steels in Present Use" - AAR Report R-543

Unit Date 1983
box-folder 3 (box)
Container 18 (folder)

Federal regulation of tank cars and hazardous materials transportation

Unit Date 1970-1988, n.d.
box-folder 3 (box)
Container 19 (folder)
Extent [2 folders]

Final Phase 09 Report on Tanks, Fittings, and Attachments in the Mechanical Environment of Accidents - AAR / RPI Report RA-09-1-24

Unit Date 1972-1973
box-folder 3 (box)
Container 20 (folder)

"Fire Test Reports: 4", 6", 10", 16", 24" Series 8200 and 8300 Water-Sphere Valves" - Jamesbury Corporation

Unit Date 1979
box-folder 3 (box)
Container 21 (folder)

Forging Ahead (Lenape Forge Division, Gulf and Western) vol. 1 no. 1

Unit Date 1970
box-folder 3 (box)
Container 22 (folder)

"Freight Car Development" paper

Unit Date n.d.
box-folder 3 (box)
Container 23 (folder)

French railway publications

Unit Date 1984, n.d.

box-folder 3 (box)

Container 24 (folder)

Fruehauf Corporation tank container impact tests

Unit Date 1976

box-folder 3 (box)

Container 25 (folder)

GATX cold ammonia cars

Unit Date n.d.

box-folder 3 (box)

Container 26 (folder)

GAX Tank Car Manual

Unit Date 1966

box-folder 3 (box)

Container 27 (folder)

GATX Tank Car Manual

Unit Date 1972

box-folder 3 (box)

Container 28 (folder)

General American Transportation Corporation (GATX) - AAR application A-763072

Unit Date 1976

box-folder 4 (box)

Container 1 (folder)

General American Transportation Corporation (GATX) - AAR application A-763121

Unit Date 1976

box-folder 4 (box)

Container 2 (folder)

General American Transportation Corporation (GATX) - AAR application D-763102

Unit Date 1976

box-folder 4 (box)

Container 3 (folder)

General American Transportation Corporation (GATX) - AAR application F-743126

Unit Date 1974

box-folder 4 (box)

Container 4 (folder)

General American Transportation Corporation (GATX) - AAR applications

Unit Date 1976

box-folder 4 (box)

Container 5 (folder)

Extent [2 folders]

General American Transportation Corporation (GATX) - conversion of 103AW to 103W

Unit Date 1945-1976, n.d.

box-folder 4 (box)

Container 6 (folder)

General American Transportation Corporation (GATX) - certificates of construction

Unit Date 1958-1964

box-folder 4 (box)

Container 7 (folder)

General American Transportation Corporation (GATX) - tank car drawings

Unit Date 1965-1969, n.d.

box-folder 4 (box)

Container 8 (folder)

General Electric Railcar Services Corporation - AAR application C885009-A

Unit Date 1988

box-folder 4 (box)

Container 9 (folder)

Goebel, G. L., "Treatise on Curve Negotiability for Freight Cars"

Unit Date 1968

box-folder 4 (box)

Container 10 (folder)

Gore-Tex

Unit Date 1981-1986, n.d.

box-folder 4 (box)

Container 11 (folder)

Grade crossing accident investigation instruction

Unit Date 1984, n.d.

box-folder 4 (box)

Container 12 (folder)

"Guide for Writing and Typing 'SI' Metric Units" - Phillips Petroleum Company

Unit Date n.d.

box-folder 4 (box)

Container 13 (folder)

Guide to AWS Welding Inspector Qualification & Certification - American Welding Society

Unit Date 1976

box-folder 4 (box)

Container 14 (folder)

Gulf Railcar Inc. - AAR applications

Unit Date 1988

box-folder 4 (box)

Container 15 (folder)

Gustin-Bacon Manufacturing Company**Unit Date** 1966**box-folder** 4 (box)**Container** 16 (folder)**"Hauling of Chlorine Barges" - Chlorine Institute****Unit Date** 1963**box-folder** 4 (box)**Container** 17 (folder)**Hartford Steam Boiler and Insurance Company - Engineering Services Division****Unit Date** 1983, n.d.**box-folder** 4 (box)**Container** 18 (folder)**"Hazardous Material Emergency Guide" - Bureau of Explosives Pamphlet 1****Unit Date** 1973**box-folder** 4 (box)**Container** 19 (folder)**Hazardous material handling guide (preliminary)****Unit Date** n.d.**box-folder** 4 (box)**Container** 20 (folder)**Hazardous Materials Association Conference****Unit Date** 1987**box-folder** 4 (box)**Container** 21 (folder)**"Hazardous Materials Emergency Guide" - Bureau of Explosives Pamphlet 2****Unit Date** 1973**box-folder** 4 (box)**Container** 22 (folder)**Hazardous Materials Forum - Utah Chapter, National Defense Transportation Association****Unit Date** 1987**box-folder** 4 (box)**Container** 23 (folder)**Hazardous materials handling and transportation - training and regulations****Unit Date** 1977-1989, n.d.**box-folder** 4 (box)**Container** 24 (folder)**Extent** [2 folders]**Hazardous materials handling - Brotherhood of Locomotive Engineers****Unit Date** 1985-1987, n.d.**box-folder** 4 (box)**Container** 25 (folder)

Hazardous materials handling / emergency response - background, procedures, and training

Unit Date 1962-1988, n.d.

box-folder 4 (box)

Container 26 (folder)

Extent [2 folders]

"Hazardous Materials regulation Board" - Federal Register

Unit Date 1975

box-folder 4 (box)

Container 27 (folder)

Hazardous Materials Regulations Excerpted for Railroad Employees - Bureau of Explosives Pamphlet 20

Unit Date 1977

box-folder 4 (box)

Container 28 (folder)

"Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, Water and Military Explosives by Water Including Specifications for Shipping Containers" - Bureau of Explosives Tariff No. BOE-6000-1

Unit Date 1989

box-folder 4 (box)

Container 29 (folder)

"Hazardous Materials Regulations of the Department of Transportation, Including Specifications for Shipping Containers" - R. M. Graziano's Tariff No. 27

Unit Date 1973

box-folder 4 (box)

Container 30 (folder)

Hazardous materials training - Lincoln, Nebraska

Unit Date 1989

box-folder 4 (box)

Container 31 (folder)

Hazmat World excerpts

Unit Date 1989

box-folder 4 (box)

Container 32 (folder)

Head calculations

Unit Date n.d.

box-folder 4 (box)

Container 33 (folder)

Heller, Frank J., "How to Size Safety Relief Devices"

Unit Date 1954

box-folder 4 (box)

Container 34 (folder)

Heller, Frank J. and R. W. Hankinson, "A Study of Available Fire Test Data as Related to Tank Car Safety Device Relieving Capacity Formulas"

Unit Date 1971

box-folder 4 (box)

Container 35 (folder)

Holden, Roy J. Jr. - American Car and Foundry employment

Unit Date 1962-1971

box-folder 4 (box)

Container 36 (folder)

Holden, Roy J. Jr. - curricula vitae and biographical materials

Unit Date [1970-1972], n.d.

box-folder 4 (box)

Container 37 (folder)

Holden, Roy J. Jr. - drawings for Glenn L. Martin Company

Unit Date 1946-1947

box-folder 4 (box)

Container 38 (folder)

Holden, Roy J. Jr. - employment (general)

Unit Date 1965-1987, n.d.

box-folder 4 (box)

Container 39 (folder)

Holden, Roy J. Jr. - employment inquiries

Unit Date 1971-1973

box-folder 4 (box)

Container 40 (folder)

Extent [4 folders]

Holden, Roy J. Jr. - "Mechanics of Materials"

Unit Date n.d.

box-folder 4 (box)

Container 41 (folder)

Holden, Roy J. Jr. - patents

Unit Date 1966-1969, n.d.

box-folder 4 (box)

Container 42 (folder)

Holden, Roy J. Jr. - personal ephemera

Unit Date n.d.

box-folder 4 (box)

Container 43 (folder)

Holden, Roy J. Jr. - photographs

Unit Date 1952, n.d.

box-folder 4 (box)

Container 44 (folder)

Hydrochloric acid

Unit Date 1982, n.d.

box-folder 5 (box)

Container 1 (folder)

Hydrocyanic acid shipment

Unit Date 1982

box-folder 5 (box)

Container 2 (folder)

Hydrogen peroxide tank cars - General American Transportation Corporation

Unit Date 1987-1989, n.d.

box-folder 5 (box)

Container 3 (folder)

"Installation 'AB' Freight Car Brake Equipment" - New York Air Brake Company specification 2518

Unit Date 1956

box-folder 5 (box)

Container 4 (folder)

Jamesbury Corporation - AAR application E769024

Unit Date 1976

box-folder 5 (box)

Container 5 (folder)

Jamesbury Corporation - catalog

Unit Date 1978

box-folder 5 (box)

Container 6 (folder)

Extent [2 folders]

Kunz, Eugene - American Car and Foundry personnel records

Unit Date 1965-1969

box-folder 5 (box)

Container 7 (folder)

Leak: phosphorus trichloride - North Little Rock, Arkansas

Unit Date 1984

box-folder 5 (box)

Container 8 (folder)

"Lionel-Porter Microcraft Manual"

Unit Date 1960

box-folder 5 (box)

Container 9 (folder)

Lionel Trains - catalog

Unit Date 1971

box-folder 5 (box)
Container 10 (folder)

Liquefied petroleum gas

Unit Date 1979-1980
box-folder 5 (box)
Container 11 (folder)

"Liquified Compressed Gas: Prescription for a B.L.E.V.E. - pt. II" - Federal Emergency Management Agency videoconference

Unit Date 1987
box-folder 5 (box)
Container 12 (folder)

Loctite Corporation

Unit Date 1971
box-folder 5 (box)
Container 13 (folder)

Manufacturer / product promotional materials

Unit Date 1976-1984, n.d.
box-folder 5 (box)
Container 14 (folder)
Extent [6 folders]

Manufacturing Chemists Association v. Aberdeen and Rockfish Railroad Company and Allied Chemical Corporation v. Aberdeen Rockfish Railroad Company

Unit Date 1972
box-folder 5 (box)
Container 15 (folder)

Master Car Builders' Association

Unit Date 1910-1911
box-folder 5 (box)
Container 16 (folder)

"Metallurgical Report - Transverse Weld Project" (AAR Docket T45.11-85) - Union Tank Car Company

Unit Date 1986
box-folder 5 (box)
Container 17 (folder)

Midland Manufacturing Corporation - AAR applications

Unit Date 1977-1978
box-folder 5 (box)
Container 18 (folder)

"Midland Tank Level Control and Alarm Systems"

Unit Date [1971?]
box-folder 5 (box)
Container 19 (folder)

Milton Engineering

Unit Date 1958-1968, n.d.

box-folder 5 (box)

Container 20 (folder)

Minimum standards for safe loading and unloading of tank cars used for transporting non-hazardous commodities

Unit Date 1983-1984, n.d.

box-folder 5 (box)

Container 21 (folder)

North American Car Corporation - AAR application A-745021

Unit Date 1974

box-folder 5 (box)

Container 22 (folder)

North American Car Corporation - AAR application A-745023

Unit Date 1974

box-folder 5 (box)

Container 23 (folder)

North American Car Corporation - AAR application A-745033

Unit Date 1974

box-folder 5 (box)

Container 24 (folder)

North American Car Corporation - AAR application A-745037

Unit Date 1974

box-folder 5 (box)

Container 25 (folder)

North American Car Corporation - AAR application A-745040

Unit Date 1974

box-folder 5 (box)

Container 26 (folder)

North American Car Corporation - AAR application A-765026

Unit Date 1976

box-folder 5 (box)

Container 27 (folder)

North American Car Corporation - AAR application C-765013

Unit Date 1976

box-folder 5 (box)

Container 28 (folder)

North American Car Corporation - AAR application D-765038

Unit Date 1976

box-folder 5 (box)

Container 29 (folder)

North American Car Corporation - AAR application D-765048

Unit Date 1976

box-folder 5 (box)

Container 30 (folder)

North American Car Corporation - AAR applications

Unit Date 1976

box-folder 5 (box)

Container 31 (folder)

The Official Railway Equipment Register

Unit Date 1986

box-folder 5 (box)

Container 32 (folder)

"Operating Procedures: Storage & Transport Committee"

Unit Date 1982

box-folder 5 (box)

Container 33 (folder)

"Orientation Outline for New Inspectors - Tank Car Technology"

Unit Date n.d.

box-folder 5 (box)

Container 34 (folder)

Pellini, William S., "AAR-RPI Project for Analytical Selection of New Tank Car Steels of Improved Weldability and Fracture Properties"

Unit Date 1985

box-folder 5 (box)

Container 35 (folder)

Pellini, William S. - papers prepared for presentation to AAR Tank Car Committee meeting

Unit Date 1982

box-folder 5 (box)

Container 36 (folder)

Phase 03 Data Report on Results of Tests on Mill Plate Samples and Samples Removed from Tank Cars Involved in Accidents - AAR/RPI Report RA-03-3-13

Unit Date 1972

box-folder 5 (box)

Container 37 (folder)

Phase 11 Preliminary Report on Laboratory Fire Test Apparatus for Evaluating Thermal Shield Materials - AAR/RPI Report RA-11-3-15

Unit Date 1972

box-folder 5 (box)

Container 38 (folder)

Phase 12 Report on Analysis of Fracture Behavior of Tank Cars in Accidents - AAR/RPI Report RA-12-2-20

Unit Date 1972-1973

box-folder 5 (box)
Container 39 (folder)

Phase 12 Report on Analysis of Tank Car Tub Rocketing in Accidents - AAR/RPI Report RA-12-2-23

Unit Date 1972-1973
box-folder 5 (box)
Container 40 (folder)

Phillips, E. A., "Tank Car Safety"

Unit Date 1982
box-folder 6 (box)
Container 1 (folder)

Phosphorus pentasulfide

Unit Date 1988
box-folder 6 (box)
Container 2 (folder)

Photographs: accident - Bradford, Rhode Island

Unit Date n.d.
box-folder 6 (box)
Container 3 (folder)

Photographs: accident - Swan Lake, Idaho

Unit Date 1951
box-folder 6 (box)
Container 4 (folder)

Photographs: compound machineless hair waving - Boston, Massachusetts

Unit Date 1940
box-folder 6 (box)
Container 5 (folder)

Photographs: compressed anhydrous ammonia - Boston, Massachusetts

Unit Date 1947
box-folder 6 (box)
Container 6 (folder)

Photographs: compressed anhydrous ammonia - Roxburg, Mississippi

Unit Date 1950
box-folder 6 (box)
Container 7 (folder)

Photographs: compressed hydrogen - Montreal

Unit Date 1948
box-folder 6 (box)
Container 8 (folder)

Photographs: compressed liquefied carbon dioxide - Chicago, Illinois

Unit Date 1948

box-folder 6 (box)
Container 9 (folder)

Photographs: compressed liquefied petroleum - Hilliards, Ohio

Unit Date 1952
box-folder 6 (box)
Container 10 (folder)

Photographs: compressed liquefied petroleum - Kansas City, Missouri

Unit Date 1947
box-folder 6 (box)
Container 11 (folder)

Photographs: compressed liquefied petroleum - near Corea, Georgia

Unit Date 1943
box-folder 6 (box)
Container 12 (folder)

Photographs: compressed liquefied petroleum gas - Palmer, Mississippi

Unit Date 1949
box-folder 6 (box)
Container 13 (folder)

Photographs: damaged tank cars

Unit Date 1989, n.d.
box-folder 6 (box)
Container 14 (folder)

Photographs: emergency response

Unit Date n.d.
box-folder 6 (box)
Container 15 (folder)

Photographs: feed (dried grains) - Roanoke, Virginia

Unit Date 1947
box-folder 6 (box)
Container 16 (folder)

Photographs: felt (unsaturated roofing) - Chicago, Illinois

Unit Date 1951
box-folder 6 (box)
Container 17 (folder)

Photographs: fire - Alliance, Nebraska

Unit Date 1936
box-folder 6 (box)
Container 18 (folder)

Photographs: fire - Bellvue, Tennessee

Unit Date n.d.
box-folder 6 (box)

Container 19 (folder)

Photographs: fire - Leavittsburg, Ohio

Unit Date 1949

box-folder 6 (box)

Container 20 (folder)

Photographs: fire - near Mystic, Iowa

Unit Date 1939

box-folder 6 (box)

Container 21 (folder)

Photographs: fire - Philadelphia

Unit Date 1944

box-folder 6 (box)

Container 22 (folder)

Photographs: fire - Potomac Yard, Virginia

Unit Date 1945

box-folder 6 (box)

Container 23 (folder)

Photographs: fire - Rutledge, Missouri

Unit Date 1938

box-folder 6 (box)

Container 24 (folder)

Photographs: fire - Utica, New York

Unit Date 1948

box-folder 6 (box)

Container 25 (folder)

Photographs: gasoline - Centralia, Illinois

Unit Date 1951

box-folder 6 (box)

Container 26 (folder)

Photographs: gasoline - Cranston, Rhode Island

Unit Date 1942

box-folder 6 (box)

Container 27 (folder)

Photographs: gasoline - Glenwood Springs, Colorado

Unit Date 1948

box-folder 6 (box)

Container 28 (folder)

Photographs: gasoline - Jemison, Alabama

Unit Date 1935

box-folder 6 (box)

Container 29 (folder)

Photographs: gasoline - near Hedrick, Iowa

box-folder 6 (box)

Container 30 (folder)

Photographs: gasoline - near Pulaski, Tennessee

Unit Date 1941

box-folder 6 (box)

Container 31 (folder)

Photographs: gasoline - near Peer, Pennsylvania

Unit Date 1943

box-folder 6 (box)

Container 32 (folder)

Photographs: gasoline - near Tye, Texas

Unit Date 1937

box-folder 6 (box)

Container 33 (folder)

Photographs: gasoline - Philadelphia, Pennsylvania

Unit Date 1939

box-folder 6 (box)

Container 34 (folder)

Photographs: gasoline - Pine City, Minnesota

Unit Date 1940

box-folder 6 (box)

Container 35 (folder)

Photographs: gasoline - Redel, Kansas

Unit Date 1938

box-folder 6 (box)

Container 36 (folder)

Photographs: gasoline - Salida, Colorado

Unit Date 1939

box-folder 6 (box)

Container 37 (folder)

Photographs: gasoline - West Butte, Minnesota

Unit Date 1947

box-folder 6 (box)

Container 38 (folder)

Photographs: gasoline - York, Alabama

Unit Date 1935

box-folder 6 (box)

Container 39 (folder)

Photographs: gasoline - Zyha, Kansas

Unit Date n.d.

box-folder 6 (box)

Container 40 (folder)

Photographs: high explosives (dynamite) - near Vryburg and Mafeking, South Africa

Unit Date 1935

box-folder 6 (box)

Container 41 (folder)

Photographs: hydrogen peroxide - Alexandria, Virginia

Unit Date 1952

box-folder 6 (box)

Container 42 (folder)

Photographs: hydrogen peroxide - Boston, Massachusetts

Unit Date 1940

box-folder 6 (box)

Container 43 (folder)

Photographs: hydrogen peroxide - Peavine, California

Unit Date 1950

box-folder 6 (box)

Container 44 (folder)

Photographs: inflammable liquids - Ashland, Ohio

Unit Date 1943

box-folder 6 (box)

Container 45 (folder)

Photographs: merchandise - St. Paul, Virginia

Unit Date 1940

box-folder 6 (box)

Container 46 (folder)

Photographs: naptha - Vicksburg, Mississippi

Unit Date 1943

box-folder 6 (box)

Container 47 (folder)

Photographs: Norfolk Chicago car, Pennsylvania Railroad

Unit Date n.d.

box-folder 6 (box)

Container 48 (folder)

Photographs: oil and crude - Asylum, Mississippi

Unit Date 1940

box-folder 6 (box)

Container 49 (folder)

Photographs: oxygen

Unit Date 1947

box-folder 6 (box)

Container 50 (folder)

Photographs: paper scrap - Frankfort, Kentucky

Unit Date 1947

box-folder 6 (box)

Container 51 (folder)

Photographs: paper tar - Detroit, Michigan

Unit Date 1940

box-folder 6 (box)

Container 52 (folder)

Photographs: phosphorus - Columbus, Ohio

box-folder 6 (box)

Container 53 (folder)

Photographs: phosphorus sesquisulfide - Milwaukee, Wisconsin

box-folder 6 (box)

Container 54 (folder)

Photographs: pitch (lignin) - Oakland, California

Unit Date 1950

box-folder 6 (box)

Container 55 (folder)

Photographs: resin-sizing Vinsol - Salina, Utah

Unit Date 1952

box-folder 6 (box)

Container 56 (folder)

Photographs: resin-sizing Vinsol - Sigurd, Utah

Unit Date 1952

box-folder 6 (box)

Container 57 (folder)

Photographs: sodium peroxide - Barrier, North Carolina

Unit Date 1943

box-folder 6 (box)

Container 58 (folder)

Photographs: sodium peroxide - Manchester, New York

Unit Date 1937

box-folder 6 (box)

Container 59 (folder)

Photographs: storage batteries

Unit Date 1935-1950, n.d.

box-folder 6 (box)

Container 60 (folder)

Photographs: unidentified tools and equipment

Unit Date n.d.

box-folder 6 (box)

Container 61 (folder)

Photographs: wallboard - East Minneapolis, Minnesota

Unit Date 1951

box-folder 6 (box)

Container 62 (folder)

Photographs: wallboard - Potomac Yard, Virginia

Unit Date 1949

box-folder 6 (box)

Container 63 (folder)

Photographs: water jacket testing apparatus

Unit Date [1934?]

box-folder 6 (box)

Container 64 (folder)

Photographs: zinc ashes near Van Voorhis, West Virginia

Unit Date 1938

box-folder 6 (box)

Container 65 (folder)

Plant Inspection Report: Allred Chemical Corporation (Amherstburg, Ontario, Canada)

Unit Date 1984

box-folder 6 (box)

Container 66 (folder)

Pocket List: Railroad Police Officials, Voting Representatives, and Rules of Order

Unit Date 1985

box-folder 6 (box)

Container 67 (folder)

Pressure-vessel construction / welding - journal extracts

Unit Date 1950-1958, n.d.

box-folder 6 (box)

Container 68 (folder)

Extent [3 folders]

Pressure-vessel patents

Unit Date 1965-1980, n.d.

box-folder 6 (box)

Container 69 (folder)

Pressure-vessel stresses / design / heat flow

Unit Date 1951-1957, n.d.

box-folder 6 (box)

Container 70 (folder)

"Procedure for Acoustic Emission Evaluation of Railroad Tank Cars"

Unit Date 1987

box-folder 6 (box)

Container 71 (folder)

Process Engineering - AAR application A769002

Unit Date 1976

box-folder 6 (box)

Container 72 (folder)

Procor Limited - AAR application B-768800

Unit Date 1976

box-folder 6 (box)

Container 73 (folder)

Procor Limited - AAR application C768802

Unit Date [1976?]

box-folder 6 (box)

Container 74 (folder)

Procor Limited - AAR application G-768804

Unit Date 1976

box-folder 6 (box)

Container 75 (folder)

Procor Limited - AAR applications

Unit Date 1973

box-folder 6 (box)

Container 76 (folder)

"PVRC Subcommittee on Effective Utilization of Yield Strength - Summary of Pilot Program and Phase II Effort on Bursting of Constrained Disks

Unit Date 1969

box-folder 6 (box)

Container 77 (folder)

"Rail Impact Testing: Prototype Tank Container UCCU 020001 Union Carbide Corporation"

Unit Date 1978

box-folder 6 (box)

Container 78 (folder)

Railway Supply Association Exhibition - Reference Book

Unit Date 1979

box-folder 6 (box)

Container 79 (folder)

RegO railroad tank car valves

Unit Date 1970

box-folder 6 (box)

Container 80 (folder)

"Report: In the Matter of Section 226 of the Railway Act; and in the Matter of the Failure of 3/4 Inch Centre Plates on Certain CGTX Tank Cars in Sulphuric Acid Services"

Unit Date 1984

box-folder 6 (box)

Container 81 (folder)

"A Report on the 1983 Survey of Employees of Association of American Railroads"

Unit Date 1983

box-folder 6 (box)

Container 82 (folder)

Rescar Incorporated - AAR application C879022

Unit Date 1987

box-folder 6 (box)

Container 83 (folder)

Richmond Tank Car Company - AAR application A-764001-A

Unit Date 1976

box-folder 6 (box)

Container 84 (folder)

Richmond Tank Car Company - AAR application A-764006

Unit Date 1976

box-folder 6 (box)

Container 85 (folder)

Richmond Tank Car Company - AAR application A-764011

Unit Date 1976

box-folder 6 (box)

Container 86 (folder)

Richmond Tank Car Company - AAR application A-764012

Unit Date 1976

box-folder 6 (box)

Container 87 (folder)

Richmond Tank Car Company - AAR application A-764015

Unit Date 1976

box-folder 6 (box)

Container 88 (folder)

Richmond Tank Car Company - AAR application C-764013

Unit Date 1976

box-folder 6 (box)

Container 89 (folder)

Rubatex bolster pad deficiency

Unit Date 1969, n.d.

box-folder 6 (box)

Container 90 (folder)

Safety valves

Unit Date n.d.

box-folder 6 (box)

Container 91 (folder)

Scalene tank car designs

Unit Date n.d.

box-folder 6 (box)

Container 92 (folder)

Scullen Steel Company

Unit Date 1973

box-folder 6 (box)

Container 93 (folder)

"SEMIP / CNCFSA - Constructora Nacional de Carros de Ferrocarril, S. A.,"

Unit Date 1983

box-folder 6 (box)

Container 94 (folder)

Single Car Testing Device: Code of Tests - New York Air Brake Company Instruction Pamphlet 5039-4 Supplement 1

Unit Date 1961

box-folder 6 (box)

Container 95 (folder)

Southern Pacific Transportation Company - promotional flyer

Unit Date n.d.

box-folder 6 (box)

Container 96 (folder)

Southern Pacific Transportation Co. and Northwestern Pacific Railway Co. v. the United States

Unit Date 1983-1987

box-folder 6 (box)

Container 97 (folder)

Southern Railway Equipment Corporation - AAR application C769054

Unit Date 1976

box-folder 6 (box)

Container 98 (folder)

Specifications for design, fabrication and construction of freight cars: Appendix F

Unit Date 1976

box-folder 7 (box)

Container 1 (folder)

Specifications for tank cars

Unit Date 1969-1970

box-folder 7 (box)

Container 2 (folder)

Specifications for Tank Cars - Association of American Railroads

Unit Date 1952

box-folder 7 (box)

Container 3 (folder)

Specifications for Tank Cars - Association of American Railroads

Unit Date [1956?]

box-folder 7 (box)

Container 4 (folder)

Specifications for Tank Cars - Association of American Railroads

Unit Date 1959

box-folder 7 (box)

Container 5 (folder)

Specifications for Tank Cars - Association of American Railroads

Unit Date 1962

box-folder 7 (box)

Container 6 (folder)

Specifications for Tank Cars - Association of American Railroads

Unit Date 1969

box-folder 7 (box)

Container 7 (folder)

Speech on Transportation Community Awareness and Emergency Response (TRANSCAER)

Unit Date n.d.

box-folder 7 (box)

Container 8 (folder)

Speech on transportation of hazardous materials

Unit Date n.d.

box-folder 7 (box)

Container 9 (folder)

Speech to Atlantic States Shippers Advisory Board

Unit Date n.d.

box-folder 7 (box)

Container 10 (folder)

Speech to firefighters (draft fragments)

Unit Date n.d.

box-folder 7 (box)

Container 11 (folder)

Speech to firefighters on handling of hazardous materials

Unit Date n.d.

box-folder 7 (box)

Container 12 (folder)

Speech to National LP Gas Association

Unit Date n.d.

box-folder 7 (box)

Container 13 (folder)

Speech: "Transportation of Hazardous Materials by Rail"

Unit Date n.d.

box-folder 7 (box)

Container 14 (folder)

Speech: "Transportation of Hazardous Materials by Rail" - Railroad Section, Virginia Safety Association

box-folder 7 (box)

Container 15 (folder)

Speech (untitled) on bureaucratic overreach

Unit Date n.d.

box-folder 7 (box)

Container 16 (folder)

Speech (untitled) on tank cars

Unit Date n.d.

box-folder 7 (box)

Container 17 (folder)

Speech (untitled, partial) on transportation of hazardous materials

Unit Date n.d.

box-folder 7 (box)

Container 18 (folder)

Stainless steel corrosion

Unit Date 1982-1986, n.d.

box-folder 7 (box)

Container 19 (folder)

"Standards for Visual Inspection of Compressed Gas Cylinders" - Compressed Gas Association Pamphlet C-6

Unit Date 1972

box-folder 7 (box)

Container 20 (folder)

Stang, A. H. and T. W. Green, "Stresses in a Few Welded and Riveted Tanks Tested Under Hydrostatic Pressure"

Unit Date 1923

box-folder 7 (box)

Container 21 (folder)

"Static Load Test: Nalco Chemicals 200-Ton, 27,000-Gal. Span Bolster Tank Car Lot 71-13576" - ACF Industries

Unit Date 1969

box-folder 7 (box)

Container 22 (folder)

Stress relieving

Unit Date 1962, n.d.

box-folder 7 (box)

Container 23 (folder)

"Study of Railroad Tank Car Thickness Minimums" - Report RA-12-3-56 / RPI-AAR Tank Car Safety Project

Unit Date 1989

box-folder 7 (box)

Container 24 (folder)

Sulfuric acid / corrosive liquid

Unit Date 1981-1982

box-folder 7 (box)

Container 25 (folder)

Tank Car Committee

Unit Date 1987

box-folder 7 (box)

Container 26 (folder)

Tank Car Committee - annual report (advance copy)

Unit Date 1987

box-folder 7 (box)

Container 27 (folder)

Tank Car Committee - Appendix A Subcommittee

Unit Date 1975-1976

box-folder 7 (box)

Container 28 (folder)

Tank Car Committee - correspondence

Unit Date 1973-1989, n.d.

box-folder 7 (box)

Container 29-34 (folder)

Tank Car Committee - docket requests for disposition (RFDs)

Unit Date 1988

box-folder 7 (box)

Container 35 (folder)

Tank Car Committee - docket requests for disposition (RFDs)

Unit Date 1988-1989

box-folder 7 (box)

Container 36 (folder)

Extent [2 folders]

Tank Car Committee Docket T5-79 - conversion of DOT112A400W tank cars to hydrogen fluoride service

Unit Date 1980

box-folder 7 (box)

Container 37 (folder)

Tank Car Committee Docket T42-71: bottom outlets

Unit Date 1975-1978

box-folder 7 (box)

Container 38 (folder)

Tank Car Committee Docket T50.14-84 - excess flow valves on pressure tank cars

Unit Date 1983-1986, n.d.

box-folder 7 (box)

Container 39 (folder)

Extent [2 folders]

Tank Car Committee Docket T92.4-83 - placards and placard holders

Unit Date 1983-1985

box-folder 8 (box)

Container 1 (folder)

Tank Car Committee dockets

Unit Date 1986

box-folder 8 (box)

Container 2 (folder)

Extent [2 folders]

Tank Car Committee dockets

Unit Date 1988-1989

box-folder 8 (box)

Container 3 (folder)

Tank Car Committee - executive session

Unit Date 1989-01

box-folder 8 (box)

Container 4 (folder)

Extent [5 folders]

Tank Car Committee - liquid level sensing device on DOT111A100W2 tank car sulfuric acid service TILX 100361 and TILX100365

Unit Date 1989

box-folder 8 (box)

Container 5 (folder)

Tank Car Committee meeting

Unit Date 1986-03

box-folder 8 (box)

Container 6 (folder)

Tank Car Committee meeting

Unit Date 1986-10

box-folder 8 (box)

Container 7 (folder)

Extent [3 folders]

Tank Car Committee meeting

Unit Date 1987-03

box-folder 8 (box)

Container 8 (folder)

Extent [3 folders]

Tank Car Committee meeting

Unit Date 1987-11

box-folder 8 (box)

Container 9 (folder)

Extent [4 folders]

Tank Car Committee meeting

Unit Date 1989-10

box-folder 8 (box)

Container 10 (folder)

Extent [6 folders]

Tank Car Committee - Specification Revisions Subcommittee

Unit Date 1976

box-folder 9 (box)

Container 1 (folder)

Tank Car Committee - Subcommittee 1 (Appendix A/D Working Group) minutes

Unit Date 1987-01

box-folder 9 (box)

Container 2 (folder)

Tank Car Committee - Subcommittee 1 (Appendix A/D Working Group) minutes

Unit Date 1987-07

box-folder 9 (box)

Container 3 (folder)

Tank Car Committee - Subcommittee 1 (Appendix C/E) correspondence

Unit Date 1974-1975

box-folder 9 (box)

Container 4 (folder)

Tank Car Committee - Subcommittee 1 minutes

Unit Date 1985

box-folder 9 (box)

Container 5 (folder)

Tank Car Committee - Subcommittee 1 and 2

Unit Date 1989

box-folder 9 (box)

Container 6 (folder)

Extent [3 folders]

Tank Car Committee - Subcommittee 2

Unit Date 1976

box-folder 9 (box)

Container 7 (folder)

Tank Car Committee - subcommittee meetings

Unit Date 1989-01

box-folder 9 (box)

Container 8 (folder)

Extent [3 folders]

Tank Car Committee - Subcommittee on Specifications

Unit Date 1970, n.d.

box-folder 9 (box)

Container 9 (folder)

Tank car construction and specifications

Unit Date 1974-1989, n.d.

box-folder 9 (box)

Container 10 (folder)

"Tank Car Design Basis: Yield vs. Tensile" - Report RA-03-8-54 / RPI-AAR Tank Car Safety Project

Unit Date 1987

box-folder 9 (box)

Container 11 (folder)

Tank car leak - Campbellton, New Brunswick, Canada

Unit Date 1987

box-folder 9 (box)

Container 12 (folder)

"Tank Car Regulations" paper

Unit Date n.d.

box-folder 9 (box)

Container 13 (folder)

Tank car-related mishaps (multiple sites)

Unit Date 1971-1989, n.d.

box-folder 9 (box)

Container 14 (folder)

Extent [2 folders]

Tank car Safety Course

Unit Date 1985

box-folder 9 (box)

Container 15 (folder)

Tank Car Safety Course

Unit Date 1985-1986, n.d.

box-folder 9 (box)

Container 16 (folder)

Extent [2 folders]

Tank Car Safety Course

Unit Date 1985-1987, n.d.

box-folder 9 (box)

Container 17 (folder)

Extent [2 folders]

Tank Car Safety Course

Unit Date 1988, n.d.

box-folder 9 (box)

Container 18 (folder)

Tank Car Safety Course - Union Pacific Railroad Company

Unit Date 1988, n.d.

box-folder 9 (box)

Container 19 (folder)

Tank Car Safety Program

Unit Date 1984-1985, n.d.

box-folder 9 (box)

Container 20 (folder)

Tank Car Safety Program - course manual

Unit Date n.d.

box-folder 10 (box)

Container 1 (folder)

Extent [4 folders]

"Tank Car Safety Project" - Progressive Railroading

Unit Date 1973

box-folder 10 (box)

Container 2 (folder)

"The Tank Car Story" - Defense Transport Administration

Unit Date 1951

box-folder 10 (box)

Container 3 (folder)

Tank car volume calculations

Unit Date 1931-1948, n.d.

box-folder 10 (box)

Container 4 (folder)

Technical Data Handbook - Hartford Steam Boiler Inspection and Insurance Company

Unit Date 1982

box-folder 10 (box)

Container 5 (folder)

Texana Tank Car and Manufacturing - AAR application A-749024-A

Unit Date 1976

box-folder 10 (box)

Container 6 (folder)

Texana Tank Car and Manufacturing - AAR application B769045

Unit Date 1976

box-folder 10 (box)

Container 7 (folder)

Texas Tank Car Works - AAR application B-769022

Unit Date 1976

box-folder 10 (box)

Container 8 (folder)

These Wheels Must Turn: a Handbook of Safety Practices for Railroad Officers and Employees

Unit Date 1974

box-folder 10 (box)

Container 9 (folder)

Tiger Leasing Group - AAR application C-775030

Unit Date 1977

box-folder 10 (box)

Container 10 (folder)

Trailer-on-flatcar / Container-on-flatcar (TOFC / COFC) training

Unit Date 1980, n.d.

box-folder 10 (box)

Container 11 (folder)

"Trained Tanks: the Story of How ACF Tank Cars are Built" - Esso Oilways

Unit Date 1952

box-folder 10 (box)

Container 12 (folder)

Trans-Action

Unit Date 1980

box-folder 10 (box)

Container 13 (folder)

Tri-State Motor Transit Company**Unit Date** n.d.**box-folder** 10 (box)**Container** 14 (folder)**Trinity Industries Inc. - AAR applications****Unit Date** 1988-1989**box-folder** 10 (box)**Container** 15 (folder)**"Turbine Meter Gauging Tank Cars" - ACF Industries****Unit Date** [1970]**box-folder** 10 (box)**Container** 16 (folder)**Understanding Railroad Tank Cars - Union Pacific Railroad****Unit Date** 1986-1987**box-folder** 10 (box)**Container** 17 (folder)**Union Tank Car Company (UTLX)****Unit Date** 1983-1985, n.d.**box-folder** 10 (box)**Container** 18 (folder)**Union Tank Car Company - AAR application 747010****Unit Date** 1975**box-folder** 10 (box)**Container** 19 (folder)**Union Tank Car Company - AAR application A-767064****Unit Date** 1976**box-folder** 10 (box)**Container** 20 (folder)**Union Tank Car Company - AAR application A-767084****Unit Date** 1976**box-folder** 10 (box)**Container** 21 (folder)**Union Tank Car Company - AAR application C857042****Unit Date** 1981-1985**box-folder** 10 (box)**Container** 22 (folder)**Union Tank Car Company - AAR application C-837000****Unit Date** 1983**box-folder** 10 (box)**Container** 23 (folder)

Union Tank Car Company - AAR applications

Unit Date 1976

box-folder 10 (box)

Container 24 (folder)

Extent [2 folders]

Union Tank Car Company - AAR applications

Unit Date 1988

box-folder 10 (box)

Container 25 (folder)

U. S. Department of Transportation Docket HM-196: Packaging and Placarding Requirements for Liquids Toxic by Inhalation

Unit Date 1985

box-folder 10 (box)

Container 26 (folder)

U. S. Department of Transportation Hazardous Materials Regulation HM-181: industry response

Unit Date 1987

box-folder 10 (box)

Container 27 (folder)

Extent [2 folders]

United States Safety Appliances for All Classes of Cars and Locomotives

Unit Date 1950

box-folder 10 (box)

Container 28 (folder)

United States Steel - mill prices

Unit Date 1972

box-folder 10 (box)

Container 29 (folder)

United States Tank Car Corporation

Unit Date 1971-1973, n.d.

box-folder 10 (box)

Container 30 (folder)

Extent [3 folders]

United States Tank Car Corporation - tank car drawings

Unit Date 1973, n.d.

box-folder 10 (box)

Container 31 (folder)

United Tank Containers, Inc.

Unit Date 1981

box-folder 10 (box)

Container 32 (folder)

"Unitemp for Non-Mechanical Hot & Cold Control" - Union Tank Car Company

Unit Date 1964

box-folder 10 (box)

Container 33 (folder)

"Universal Machine Language Register: Specification Manual"

Unit Date 1972

box-folder 10 (box)

Container 34 (folder)

Universal Railway Devices Company - catalog

Unit Date [1972?]

box-folder 10 (box)

Container 35 (folder)

"Volume Versus Commodity Study: Tank Cars" - American Car and Foundry Division, ACF Industries

Unit Date 1967

box-folder 10 (box)

Container 36 (folder)

Walp, Charles Franklin, Design of Hydraulic and Power Press Tools (reprint)

Unit Date n.d.

box-folder 10 (box)

Container 37 (folder)

Westinghouse Air Brake Division

Unit Date 1961-1972, n.d.

box-folder 10 (box)

Container 38 (folder)

Extent [2 folders]

World Series scorebook

Unit Date 1957-1969

box-folder 10 (box)

Container 39 (folder)

Xomox Corporation - AAR application E859055

Unit Date 1985

box-folder 10 (box)

Container 40 (folder)