TRAINING FILMS FROM THE ROBERT B. RICE PAPERS, 1936-1945
(2 cubic ft; 15 reels)

History

Robert B. Rice was a consulting engineer and professor of engineering at Newark College of Engineering, 1928-1936, and at North Carolina State University, 1937-1956.

Scope and Content

The collection comprises 15 reels of 16mm black and white sound film, in good condition. The films, each 400 to 500 feet, were prepared as training documentaries for U.S. Navy personnel who were responsible for maintenance and repair of diesel engines and related equipment. Most of the films were made under supervision of the Navy's Bureau of Aeronautics for the Bureau of Ships. They depict Navy personnel carrying out various disassembly and assembly operations on engines, with a voice-over commentary describing technical aspects of the work. The engines shown are Cooper-Bessemer, General Motors and International makes.

Related Collections:

The Archives Center also holds collection #322, the Robert B. Rice Papers, 1915-1954. In addition, there is a small group of Rice's papers, primarily concerned with his academic career, in the Archives of North Carolina State University at Raleigh.

For more information contact the Archives Center at archivescenter@si.edu or 202-633-3270
TRAINING FILMS FROM THE ROBERT B. RICE PAPERS, 1936-1945
(2 cubic ft; 15 reels)

REEL

#1  DIESEL ENGINE GOVERNORS  c. 400 ft.

Credits  The U. S. Navy Bureau of Aeronautics presents, copyright 1942 Audio Productions Inc.
Under the Technical Direction of The Engineering Department, Submarine School
U.S. Submarine Base, New London, Connecticut
Produced by Audio Productions Inc.

Contents:  Overspeed Governor

Note:  On head leader: Diesel Governor U.S. Navy MN 44

#2  THE GENERAL MOTORS 16-278A DIESEL ENGINE BEARINGS  c. 400 ft.

Credits:  1945.

Note:  On head leader: "U.S. Navy Training Film Restricted" General Motors Diesel Engine 16-278A MN-3707b Bearings

#3  COOPER-BESSEMER DIESEL ENGINE MAINTENANCE BENCHWORK  c. 350 ft.

PART 2.  INSPECTION OF PISTON.

Credits:  United States Navy Training Film prepared under the supervision of the Bureau of Aeronautics for the Bureau of Ships by ESCAR MOTION PICTURE SERVICE, INC.  1943


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#4 THE GENERAL MOTORS 16-278A DIESEL ENGINE. BENCHWORK. c. 400 ft. PART I

Credits: United States Navy Training Film Restricted. 1945. By ESCAR MOTION PICTURE SERVICE, INC.


#5 ELECTRODYNAMICS c. 350 ft.

Credits: An Instructional Sound Film Produced by ERPI Classroom Films Inc. in collaboration with Harvey B. Lemon, PH.D., University of Chicago Physical Sciences Series. 1936

#6 COOPER-BESSEMER DIESEL ENGINE MAINTENANCE, FUEL SYSTEM. PART 2. INJECTOR BLOCK RECONDITIONING AND REASSEMBLY c. 500 ft.

Credits: Restricted: to be shown to authorized personnel only! United States Navy Training film: Bureau of Aeronautics for Bureau of Ships. 1943


#7 SCAVENGING AND SUPERCHARGING OF DIESEL ENGINES, TWO-STROKE-CYCLE c. 450 ft.


Note: On head leader: Diesel Engine. U.S. Navy MN42B

For more information contact the Archives Center at archivescenter@si.edu or 202-633-3270
#8  COOPER-BESSEMER DIESEL ENGINE MAINTENANCE ENGINE  
DISASSEMBLY. PART 2  
c. 475 ft.

Credits: Restricted: to be shown to authorized personnel only. United States Navy Training Film produced under supervision of Bureau of Aeronautics for Bureau of Ships by ESCAR MOTION PICTURE SERVICE INC. 1943


#9  COOPER-BESSEMER DIESEL ENGINE MAINTENANCE ENGINE  
REASSEMBLY. PART 2  
c. 475 ft.

Credits: Restricted: to be shown to authorized personnel only. United States Navy Training Film produced under supervision of Bureau of Aeronautics for Bureau of Ships by ESCAR MOTION PICTURE SERVICE INC. 1943


#10  INTERNATIONAL DIESEL POWER  
c. 500 ft.

Credits: International Industrial Power Presents. Produced by Wilding Picture Productions Inc.

Note: On head leader: International Diesel

#11  ELLIOTT-BUCHI TURBOCHARGER FOR DIESEL ENGINE DISASSEMBLY  
c. 475 ft.

Credits: Restricted: to be shown to authorized personnel only! United States Navy Training Film produced under supervision of Bureau of Aeronautics for Bureau of Ships by ESCAR MOTION PICTURE SERVICE INC. 1944


For more information contact the Archives Center at archivescenter@si.edu or 202-633-3270
#12 DIESEL ENGINE MARQUETTE DIVISION. PART I. BASIC HYDRAULIC GOVERNOR

Credits: Produced under supervision of Bureau of Aeronautics for Bureau of Ships by Audio Productions Inc. 1943.

#13 GENERAL MOTORS DIESEL ENGINE UNIT INJECTORS DISASSEMBLY AND REASSEMBLY. MODEL 278

Credits: Restricted: to be shown to authorized personnel only! United States Navy Training Film produced under supervision of Bureau of Aeronautics for Bureau of Ships. 1944.

Note: On head leader: General Motors Diesel Engine Unit injectors Disassembly - Reassembly. Model 278.

#14 THE GENERAL MOTORS 16-278A DIESEL ENGINE BENCHWORK. PART II

Credits: U.S. Navy Training Film. Restricted. 1945.

Note: On head leader: U.S. Navy Training Film Restricted. GM Diesel Engine 16-278A MN3707f Benchwork. Part II.

#15 GENERAL MOTORS DIESEL ENGINE UNIT INJECTORS MAINTENANCE

Credits: Restricted: to be shown to authorized personnel only! United States Navy Training Film produced under supervision of Bureau of Aeronautics for Bureau of Ships 1944, The Jam Handy Organization Inc.

For more information contact the Archives Center at archivescenter@si.edu or 202-633-3270