

INDEX - MICROFILM REEL 246
(Original designation Reel 5987 - USN)

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German documents on the Jentzsch oil-
testing unit:

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Item G.

1. Copy of report titled "The Jentzsch
Priming Value Tester", prepared
by Hermann Jentzsch (24 sheets
partially in German text).

00003-27

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2. Book titled "Zuendwertpruefer nach Jentzsch--Geraet und Verfahren zum Pruefen von Oelen, Kraftstoffen und anderen Stoffen-- Bauart F. W., Modell 1941." (Jentzsch priming value tester-Apparatus and methods for the testing of oils, fuels, and other materials--Feuerland Werkstätten Model 1941). (115 pp. in German text). 00027-145
3. Set of instructions titled "Normblaetter zum Zuendwert-Verfahren" (Standards for the Priming Value Test Equipment and Test Methods), prepared by Hermann Jentzsch (title page and 55 sheets, in German text, dated 28 April 1943). 00146-203
4. Excerpt from instruction manual for engineering officers and petty officers titled "Chemie I, Leitfaden Fuer Die Marineschulen- in Bereich Der Schiffsmaschinen-Inspektion, Neudruck 1943, Teil II, Die Oele". (Chemistry I, Manual for the Naval Schools Under the Supervision of the Ships' Machinery Inspection Department, Revised Edition of 1943, Part II, Oils). (32 sheets, in German text). 00204-258
5. One (1) shipboard instruction card titled "Staendige Betriebs- ueberwachung Mit Dem Kleinen Jentzsch-Geraet!". (Standing Precautions to be Observed with the Use of the Small Jentzsch Unit (in German text). 00259-260

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6. Copy of report titled "Denkschrift Ueber Die Von der Kriegsmarine Durchgefuehrten Motorischen - Erprobungen Des Zuenowert-Pruefverfahrens Nach Jentzsch". (Report on the motor tests of the Jentzsch Priming Value Test Methods, Carried out by the Ex-German Navy). (36 sheets, in German text). 00261-297
7. Copy of miscellaneous excerpts titled "Anlage zur Eingabe des Marinestabsingenieurs Jentzsch Ueber Das Zuendwort Preufverfahren". (Supplement to the presentation of Navy Staff Engineer Jentzsch's priming value test methods). (27 pp. in German text). 00298-330
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Item H(a) 8. Excerpt from "Angewendte Chemie", edition of May 1932, titled "Selbstentzuendungseigenschaften und Chemische Konstitution". (Self priming properties and chemical constituents), by Dr. Carl Zerbe and Dr. Franz Eckert (7 pp., in German text). 00330-337
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Item H(b) 9. Excerpt from "Oel und Kohle", Volume of 1934, No. 3, titled "Ueber Die Zusammenhaenge Zwischen Selbstzuendungs und Motorischen Verbrennungsvorgaengen". (Relationship between self-priming and internal combustion occurrences), by Dr. Carl Zerbe and Franz Eckert (7 pp. in German text). 00338-345

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10. Copy of a Doctor's dissertation titled "Ueber Selbstzuendungs und Motorische Verbrennungsvorgaengen". (Self priming and motor combustion occurrences), by Ulrich Mohr (45 pp., in German text). 00346-390
11. Excerpt from "Oel und Kohle-Erdoel und Feer", Volume of 1939, No. 13, titled "Ueber Den Einfluss Des Luftdrucks Auf Die Kraftstoffuntersuchung Im Zuendwertpruefer: (The Influence of the Air Pressure on the Fuel Test in the Priming Value Tester), by Kessler (9 sheets) in German text. 00391-400
12. Copy of report titled "Schlussbericht Ueber Die Erprobung Des Kleinen Jentzsch-Geraetes Mit Geschlossenem Tiegel". (Final report of the test of the small Jentzsch Unit with Closed Crucible), dated 21 February 1945, (10 pp., in German text). 00401-412
13. Copy of description and operating instructions for the Jentzsch "Zeunddruckmesser". (Priming Pressure Measuring Instrument). (4 pp., in German text). 00413-417
14. Instruction sheet titled "Schnellviskosimeter Fuer Oele und Andere Fluessigkeiten Nach Jentzsch (Provisorische Bedienungsvorschrift)". (Provisional instructions--Jentzsch Quick-Viscosimeter for Oils and other Fluids), in German text. 00418-419

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| 15. Photograph of assembled quick-viscosimeter, with thermometer. | 00420-421 |
| 16. Curve sheet titled "Eichkurven Fuer Schnellviskosimeter nach Jentzsch". (Standard curves for Jentzsch quick-viscosimeter). In German text. | 00422-423 |
| 17. Fifteen (15) detailed construction drawings for "Lehre" (calibrating instruments). CPVA drawing numbers AIX-1-231-1 to AIX-1-231-15 inclusive. | 00424-439 |
| 18. Twenty-five (25) acceptance test certificates ("Abnahme-Untersuchung"), signed by Hermann Jentzsch, for Jentzsch Oil Test Units Numbers 1622, 1623, 1624, 1626, 1630, 1631, 1632, 1633, 1634, 1637, 1638, 1639, 1641, 1643, 1644, 1648, 1649, 1650, 1651, 1652, 1653, 1656, 1657, 1662, and 1665. (25 pp., German). | 00440-465 |
| 19. Gaserzeugungsverfahren der Winterhall Aktiengesellschaft.
42 pp., 3 figs. | |