

REPORT NO.

INDEX - MICROFILM - REEL 112

(Orig. Ident. AD1(K) Special Reel B - 9760)

- M 8 Fuels & Lubricants Test Laboratory at I.G. Farben at Oppau.  
Laboratory special report No. 1. December 17, 1943. Mixtures  
composed of HS 10 (10% mixture acid) and N<sub>2</sub>O<sub>4</sub> (Peenemunde)
- M 9 October 10, 1943. Substitution of other fuels for Crude Visol 6
- M 11 August 16th, 1943, report by Army Proving Grounds Peenemunde.  
Propellant investigations with amines and Vinyl ethers
- M 14 Copy of letter to Reichs Minister der Luftfahrt, dated 20th April  
1943. High pressure testing of aviation fuels and development  
programme
- M 18 Copy of letter, February 12, 1942, pertaining to physical tests  
relating to mixtures of Cyclohexylamin and Analyn
- M 23 Folder containing assorted charts and reports reference to index  
of scientific literature. Assorted dates 1939 - 1943
- M 25 Folder containing graphs, charts, and reports. Miscellaneous
- N 2 Works development at the Technischen Prufstandes 23.2.44 Oppau:  
No 565 report of Technischen Prufstandes Oppau:  
a. Preparation, common properties and manufacture of the  
Nitroalkyls  
b. Performance ability of oxygen carrying and nitrogen  
fuels, calorific value, cubical expansion, ignition  
temperatures  
c. Ignition behaviour of nitro fuels on hot plates  
d. Behaviour of Nitro fuels in engines  
e. Diesel engine tests with N-Propane  
f. Cycle operation with Nitro fuels
- N 4 Wear of piston rings on machine D.I.D. 2 -D-4N. I. etc. Graphs and  
statistics
- N 10 T.L. tests
- Q 12A Determination of research installations and test establishments  
(Folder with correspondence and attachments)
- Q 15 Graphs - measurement of start of ignition at low temperatures 16.10.44
- Q 16 Graphs - Measurement of start of ignition at low temperatures  
(continuation of Q 15) — 16.10.44
- Q 17 Part 1 of Q 15 and 16 16.10.44
- Q 21 Graphs - Knock limit curves under overload conditions 22.6.43
- Q 35 Report on investigations with R-material. Report No. 431,  
Technical test establishment Op. 471. 15.11.40

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G 37		Tests with Wankel Piston Ring Tightener. Ger. Pat. 664,100 of 22,8,38 DB 605 Set-Up. Report No. 42. 22.8.38	
R 3		Statistical table (Zehlfafel 15) marked Blatt 15. Properties of Hydrocarbons	
X 1	Oberkommando der Luftwaffe.	Short report on Allied Aircraft Engines. 3.1.45	
X 5	Reichsminister der Luftfahrt.	Report on D1r and D2R. 6 Test charts attached. (2 copies) 3.7.44	
X 6	Artillery.	Report No: 110/26 g. "Calculation of thermodynamic data of flame gases 2 - The effect of various additions to the oxygen carrier nitric acid upon the theoretical speed of exhaust (Gas oil and/or Visol 1 as fuel.)"	
X 8	Laboratory special report No. 10.	"Optol" fuels. Partial report No. 5: "Ofan" (?mixture of aniline and furfuryl alcohol) as ignition promoter	4.4.44
X 9	Oppan. No. 704.	"Index of development projects of the technical test laboratory in aviation matters"	30.3.43
X 12	Wa Test 10	Methods for this analysis of "Branzkatechin fuels with Visol 6"	20.3.44
X 16		Special laboratory report 9 "Optol fuels" (Partial report 4: Optainins). Wa Test 10. (See also X 8)	14.3.44
X 17	HAP 11 Karlshagen	Special laboratory report 8 "Optol fuels" (Partial report 3: Optanole) (See above)	14.3.44
X 18	HAP 11 Karlshagen	Special laboratory report 5 "Optol fuels" (Partial report 2: Optanole). (See above)	3.3.44
X 19	HAF 11 Karlshagen	Special laboratory report 6 Partial report 2 on XU substance. X substance-Tetranitromethane U substance-Nitrogen Tetroxide XU substance- a mixture of: 70 G% X substance 30 G% U substance	1.3.44
X 20	HAP 11 Karlshagen	Special laboratory report 7 "Hypergols" fuels with U substance. Partial report 1. (See X 19)	1.3.44
X 21	HAP 11 Karlshagen	"Monergols" fuels. (?Rocket fuel - see above)	29.2.44
X 22	Letter from I.G. L'hafen	Report on "Tonka" mixtures (Composition given)	23.2.44
X 34	HAP 11 Karlshagen	Special laboratory report 4 "Lowering of the freezing point of U substances" (An oxygen carrier) (See X 19)	

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