

SERIES G.

Reel Bag No. Target No.
125 20/Opportunity

<u>CIOS</u> <u>No.</u>	<u>REPT</u> <u>No.</u>	<u>TITLE</u>	<u>AUTHOR(S)</u>	<u>DATE</u>
<u>(REPORTS BY OTHER COMMERCIAL COMPANIES (Contd.))</u>				
<u>3. BERKHA - OSSAG</u>				
123	-	Pump Type Apparatus for Indicating the Low Temperature Behaviour of Engine and Gear Oils	Rossig	25.4.44
124	3	Investigation of Gear Oils for Pump ability at Low Temperatures	Zogbaum & Deberitz	1.7.42
125	5	Pump Circulation Tests at Low Temperatures (Wahrnacht Gear Oil - Winter)	Hofmann	25.9.42
126	7	Preliminary Test for Pump ability of Gear Oils at Low Temperatures	Zogbaum & Deberitz	30.4.43
127	10	Testing Wahrnacht Gear Oil 8E for Pump ability at Low Temperatures	Zogbaum	24.7.43
128	11	Standardizing the Modified Pump Type Apparatus and Construction of a Curve Pump ability at Low Temperatures.	Zogbaum & Zander	12.10.43
129	14	Testing the Reference Batch of Wahrnacht 8E Gear Oil for Pump ability	Zogbaum & Schauer	14.1.44
130	18	Comparison of the Old Model Pump Type Apparatus with the New Model	Zogbaum	7.6.44
<u>4. I.G. FARBEN. OPPAU</u>				
131	-	The I.G. Pruediesel for Measuring the Ease of Ignition of Fuels	-	18.2.42
132	-	Origination and Object of Use of the Test Engine K.	-	27.2.42
133	-	Drawings from I.G. Oppau Rept. No. 478	-	-
134	-	" " " " " " 542	-	-
135	-	" " " " " " 518	-	-
136	474	SECRET. A contribution to the Testing of Knock Behaviour of Aviation Fuels in Small Engines	Witschakowski	25.8.41
137	489	The carrying out of Octane Number Determinations according to the Appau Method	Singer	22.1.42
<u>5. JUNKERS (?)</u>				
138	2037	Influence of Lubricant and Fuel on Deposit Formation and Gas Ring Wear (in a Single Cylinder Diesel Engine, Jumo 205)	Sauermilch	12.5.43

#60746.

SERIES G.

Reel Bag No. Target No.
125 - 30/Opportunity

<u>CIGS</u> <u>No.</u>	<u>REF</u> <u>No.</u>	<u>TITLE</u>	<u>AUTHOR(S)</u>	<u>DATE</u>
<u>(H) REPORTS BY OTHER COMMERCIAL COMPANIES (Contd.)</u>				
<u>6. DAIMLER BENZ</u>				
139	-	Cranking Tests with the New Wehrmacht Winter Oils	Hohensee	21.9.42
140	-	Cranking Tests at -20°C with the New Wehrmacht Winter Oils	Hohensee	21.9.42
141	-	Standards for Cranking Tests for Evaluation of the Startability of Engine Oils at Low Temperatures.	?	22.6.42
<u>7. ADAM OPEL A.G.</u>				
142	S.713	Cold Starting Tests with Wehrmacht all-the-year-round Oil. (Standard Diesel of the Wehrmacht. HW4526)	Gorissen	15.1.43
143	Z.804	Cold Starting Tests with Wehrmacht all-the-year-round Oil (Maybach Engine HL62TR) #		31.1.41
144	-	Cold Starting Tests with Wehrmacht all-the-year-round Oil. (2. Ltr Engine, Type 326)		# 14.7.41
<u>8. RHEINMETALL BORSIG</u>				
145	-	Testing 14 Uncoumpounded Gear Oils	Heimann	15.2.42
<u>9. MISCELLANEOUS REPORTS</u>				
146	-	Notes on the Meeting of the Working Committee "Knock Measurement in the I.G. and CFR Engines."		- 23.6.44
147	-	Special Committee for Standardising Engine Testing of Diesel Fuels by DVM		- 22.9.42
148	-	Standard Method for Diesel Fuels		- 18.1.41
149	-	Heating Oil Quality		- 16.9.38
150	-	Technical Report on Standardizing Engine Testing of Diesel Fuels (Klockner-Humboldt-Deutz)		11.4.42
151	-	Instructions for Determining the Pumpability of Heating Oils		
152	-	Instructions for use of the Double Beam Cathode Ray Oscillograph (Quartz-Indicator)	Nier	

SERIES G.

Reel Bag No Target No.
 125 2732 30/4.11 (Item ref. No. 20)

LARGE-SCALE EXPERIMENT FOR THE HYDROGENATION
OF MINERAL COAL EXTRACT - (HEAVY OIL EXPERIMENT)

THREE REPORTSREPORT I

1. Object of the Experiment.
2. Method of Working.
3. Description of Apparatus.
4. First Experiment.
5. Alteration of Apparatus.
6. Second Experiment.
7. Findings on Equipment.
8. Results of Experiment.
 (a) Analyses.
 (b) Balance Sheets.
9. Short Summary and further Plans.
10. Drawing.

REPORT II

1. Objective.
2. Method of Working.
3. Apparatus.
4. Experiment Three.
5. Findings on Equipment.
6. Results of Experiment:
 (a) Properties of Products
 (b) Balance Sheets.
7. Summary and further Plans.
8. Drawings, Graphs and a Chart (6 in all).

125 2732 30/4.11. (Item ref. No. 21)

REPORT III

1. Objective.
2. Apparatus
3. Course of the Experiments and Findings on Equipment.
4. Evaluation of the Experiments.
5. Summary.
6. Arrangement of Tables. Drawings, etc., (II in all).

Rcel
125Bag No.
2071Target No.
30/4.03RELEASE OF I.G. DOCUMENTS FROM HEINZBERG ORIGINALLY
SCREENED BY SCHROEDER AND PARASCHKE AT BILLINGHAM

1. Visit of Japanese to Dr. Pier on Nov. 24, 1944.
2. Copy of Japanese - I.G. Contract.
3. Manchuria Project.
4. Possibility of hydrogenating Estonian Oil Shale and Refining of Esthonian Shale Naphtha by Hydrogenation at about 2 atm. pressure.
5. De-sulphurising of Schwaigasse from Oil Shale.
6. Hydrogenation of Separator Tar from Silesian bituminous coal.
7. Cracking Treatment of Kukwitzer Tar. P.1380 at 250 Htm over Catalyst 8376.
8. Treatment of Brown-coal Tar in a 100,000 ton plant.
9. Comparison of the Costs of Gelberde and purification Masses 5058 and 6434 of Antic & I.S.
10. Correspondence from Reichswirtschaftsministerium re: Prices for Aviation Gasoline.
11. Hydrogenation of Petroleum at 300 atm. Pressure.
12. Metallic Hydro-carbonyls: Literature Search.
13. List of Activities of High-Pressure Department (Pier) for May - August 1944.
14. Low-temperature hydrogenation of a methanol-raffinate from Bohlen-Schwel tar in Rotary Bomb.
15. Hydrogenation of Krupp Bituminous tar at 600 atm.
16. Tar samples from Schwel plant at Hirschfelde.
17. H₂ - Partial Pressure in T-F Hydrogenation of brown-coal tar with gas recirculation.
18. TTH - Products from Bohlen tar.
19. Propane and Dichloroethane De-paraffination.
20. Hydrogenation of Brown-coal Schwel^Htar from Bohlen^H to Lubricating Oil.
21. Tests of TTH - Lubricants from Bohlen^H tar.
22. Conference on Zeitz Plant.
23. TT Process in Counter-flow Ovens.
24. Experiments with Catalytic Cracking of Petroleum at 50 atm.

SERIES G.

<u>Reel</u>	<u>Bag No.</u>	<u>Target No.</u>
125	2071	30/4.03
		26. Comparison of Cracking and Benzination of Petroleum Oils.
		27. Workup of Middle-German Brown Coal Tar.
		28. Hydrogenation-Splitting of Separator Heavy Oil from Silesian Bituminous Coal with various Catalysts.
		29. Reports on Rahval Processing of Bituminous Coal Pitch.
		30. Reports on Horizontal Hydrogenation Oven.
125	2075	30/4.03
		1. Aromatization of Middle-German Shale Oil: Dehydrogenation with catalysts 7350; Material balance.
		2. Cost estimate of 18 January 1940 for L-Benzine from crude oil residues.
		3. Conference of 27 Jan. 1942 in Leuna relative to the HF and DHD Processes.
		4. Operation of large DHD Ovens on plant scale.
		5. Curves of "knacking limits" by Overloading Method.
		6. DHD Tests in 100 liter Oven.
		7. Conference Minutes on DHD for Scholven.
		8. Production of DHD - Benzine from 6434 preliminary-hydrogenation-benzine of Brabag in Ludwigshafen Oven 504.
		9. Tests on activity of technically produced DHD catalyst in the 100 liter oven.
		10. Aromatization Tests at 45 atm. with "abklingenden" Catalysts.
		11. Treatment of Middle Oil with dehydrogenation catalyst III Workup of Prehydrogenation and Aromatization over Catalyst 8147.
		12. Treatment of Bruchaler Middle Oil over Catalyst 8147.
		13. Cracking Experiments with K 6108 (Torrana) and K 6109 (Torrana HF) under different conditions of pressure.
		14. Production of refined Hydrogen-poor Middle Oil.
		15. Cracking of Naphthas and Gas Oils under H ₂ Pressure.

Roel
125

Bag No.
2075

Target No.
30/4.03

16. Dehydrogenation of separator Heavy Oil with K 7360.
17. Dehydrogenation of Bituminous Coal Heavy Oil (Scholven) near stationary catalyst in the presence of H₂.
18. Influence of steam and of water on activity of DED catalyst (Al₂O₃, FeO₂).
19. Cracking and Reforming No. 12 DED treatment with K7360.
20. DED Catalysts Specially Prepared.
21. The Production of specially Active Catalysts for Dehydrogenation.
22. Catalyst Carrier, Active Support.
23. Dehydrogenation of Scholven Heavy Oil.
24. Treatment of Distillation Residues from Benzine dehydrogenation over Regenerating Catalyst.
25. Testing of Dehydrogenation Catalysts.
26. Hydro-forming of Synthetic Heavy Oil from Chamber 502 (Dr. Michael) React. 200-300°C over K7360.
27. Catalytic Dehydrogenation of 5058/6434 Scholven Separator Heavy Oil, 20-100 atm. 7019 Aromatized Benzine separator 180-190°C over K7360.
28. Treatment of Iron Heavy Benzine over K 7360.
29. Comparison of Catalyst K7360 (made at Kellogg Co.) and K7360 (I.G.).
30. Refining of 7360- Naphtha from Oven 703.
31. Dehydrogenation at 50 atm.
32. Dehydrogenation Catalyst Tests.
33. Behavior of Catalyst 3510 at 50 atm. Dehydrogenation.
34. Dehydrogenation of Cyclohexane without pressure.
35. Leuna Research on Hydro-Forming and Cracking catalysts.
36. Hydroforming in America.
37. Conference with Dr. Ringer on catalytic dehydrogenation in October 1939.
38. Catalytic Re-forming in Presence of Hydrogen.
39. Reforming of Naphtha in presence of Hydrogen.
40. Catalytic Aromatization of Benzines.
41. Hydrogenation of hydrocarbons in presence of chlorides or fluorides of Al, B, Ba, Ca, Co, Cu, Fe, Mg, Mn, Ni, Na, V, Zn.
42. DED Process, Equations, etc.

SERIES G.

<u>Reel</u>	<u>Bag No.</u>	<u>Target No.</u>
125	2075	43. Methods of Operating without H ₂ consumption.
		44. Dehydrogenation of Paraffinic Naphthenes.
		45. Turbine Fuel from Petroleum.
		46. H ₂ on Hungarian Benzine.
		47. Treatment of bituminous coal-tar over 2846 W 250 Benzine and H ₂ .

End of Reel 125