

BAG No. 5516 - TARGET BAD SACHSA OPPORTUNITY  
I.G. FARBEN BERLIN.

(a) Manufacture of Acetylene from Hydrocarbon by Electric Arc.

image 0003

1. Economics of Acetylene manufacture by Electric Arc.
2. Estimation of Plant Manufacturing Costs for Acetylene by Electric Arc and Acetaldehyde therefrom.
3. Acetylene Plant at Baton Rouge.
4. Comparison of Economics of Four Processes for Acetaldehyde Manufacture.

(b) Manufacture of Ethylene.

image 0122

5. Comparison of ethylene manufacture by thermal cracking of ethane and by the Oxygen Process.
6. Plant data on thermal cracking of ethane.
7. Memorandum on thermal cracking of ethane.
8. Pilot plant run on cracking ethane-propane mixture.
9. Data on cracking paraffin hydrocarbons by the Oxygen Process.

(c) Ketones from Paraffin.

image 0141

10. Economics of preparation of ketones from fatty acids from paraffin oxidation.
11. Preparation of ketones from fatty acids, preparation of wetting agents and their evaluation.
12. Economics of manufacture of ketones and wetting agents.

(d) Cyclization (Hydroforming) Plant at Moosbierbaum (HF Plant).

0155

13. Specification for Feed Stock.
14. History of the plant. (HF plant).
15. Memorandum on meeting on DHD and HF processes.
16. Report on HF Process at Moosbierbaum plant.
17. Design data on HF plant including cat. cracking and topping of crude oil.
18. Specifications on finished HF gasoline.
19. Contract between WIFO and Leuna on supply of HF gasoline.
20. Comparative hydroforming experiments with various catalysts.
21. Dehydrogenation under hydrogen with moving catalyst.

(e) Miscellaneous.

image 0230

22. Isopropyl ether as aviation fuel component.
23. Specifications for DHD gasoline at Ludwigshafen.
24. Potential carbon black manufacture from Rumanian Natural Gas.
25. Transfer of the Refineries of the Petrol Block to Continentale Ol A.G., -Evaluation of Plants.
26. Sulfonation Products from High M.W. Aliphatic Olefins and their use as Detergents.

Bag No. 3517

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Target of Opportunity

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LUDWIGSHAFEN

Image 0267

(a) Cracking of Various Waxes for Synthetic Lube Oil Manufacture.

1. Production of Synthetic Motor Oil (NERAG Spindle Oil Slack Wax.)
2. Waxes for Lube Oil Synthesis.
3. Improvement of Natural Wax by Hydrogenation.
4. Production of Synthetic Motor Oil (Experiments with T.T.H. wax from Zeitz. Report No. 16, 1943).
5. Experiences with Lube Oil Manufacture at Pölitz.
6. Preparation of Synthetic Motor Oils - Workup of Extra Hard Paraffin from Viktor-Rauxel).
7. Workup of Extra Hard Wax from the Odertal Plant.
8. Testing of Feedstocks for Paraffin Lube Oil Synthesis.
9. Workup of Catalytic Hard Paraffin from BRABAG.
10. Thermal Cracking of Isoparaffins and Conversion of the Cracked Products to Lube Oil.
11. Workup of T.T.H. Paraffin from Zeitz, Report No. 11, 1940.
12. Workup of neutral Oil Slack Wax from Nerag.
13. Workup of Acid-Treated Recycle Oil from Wax Sweaters.
14. Workup of Intermediate Oil.
15. Synthetic Lubes from Paraffin.
16. Workup of a mixture of Intermediate Wax and Sweater Oil.
17. Workup of Crude Scale Wax.
18. Workup of a Mixture of Intermediate Wax and Sweater Oil.
19. Workup of Intermediate Wax.
20. Workup of Foot Oil.
21. Workup of Baton Rouge Petrolatum.
22. Cracking of Beaumont Petrolatum and Workup of Cracked Product.

(b) Operation of Synthetic Lube Plant at Rhenania.

image 0438

23. Conference for Exchange of Experience with Rhenania.
24. Conference for Comparison of I.G. and Rhenania. Analytical Methods employed in Synthetic Lube Manufacture.
25. Polymerization of Rhenania Olefins to Lube Oil in the Laboratory.
26. S.S. Oil Production by Rhenania-Ossag.
27. Paraffin Lubricating Oil - Exchange of Experience between I.G. and Rhenania.
28. Production Method at Pölitz.
29. Paraffin Lubricating Oil Plant of Rhenania-Ossag.
30. Conference on the Paraffin Lube Oil Plant at Ossag.
31. Rhenania-Ossag Aluminum Chloride.
32. Aluminum Chloride for Lube Oil Manufacture at Rhenania.

(c) Refining of Natural Lube Oil Stocks.

image 0471

33. Propane Deasphalting Plant at Oderfurter, Mineralölwerke.
34. Conference between I.G. and Uhde on Licensing a Propane-Phenol Process.
35. Letter on Licensing Propane Deasphalting Process.
36. Description of Propane Deasphalting Plant for Deutsche Gasolin A.G.
37. Technical Appraisal of the Propane Process in Germany.
38. Material Balance for Refining Nienhagen Resid.
39. Propane Deasphalting and Dewaxing of Oil from Ostmarkische Mineralölwerke.
40. Workup of Oderfurter Raw Oil.
41. Description and Cost Estimate of Phenol Extraction Plant for Apollo-Mineralöl-Raffinerie AG.
42. Production of High Quality Lube Oil from Crude Oil Fraction.

(d) Patent Situation on Propane Refining in Europe.

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- 43. Patents and Applications on Extraction Methods in Rumania.
- 44. Italian Patents on Extraction Methods.
- 45. Hungarian " " " "
- 46. Patent Situation on Propane Extraction in Germany.
- 47. " " " " in Occupied Poland.

(e) Alkylation, Isomerization and Dehydrogenation.

image 0592

- 48. Comparison of Alkylate Costs for Dehydrogenation of Butylene with Moving and Fixed Bed Catalysts.
- 49. Catalytic Dehydrogenation of Isobutane.
- 50. Catalytic Dehydrogenation of Butanes over Fixed Bed Catalyst.
- 51. Minutes of Meeting on Butane Dehydrogenation, Butylene Concentration, Isomerization, Alkylation & Polymerization.
- 52. Progress Report on Alkylation etc.
- 53. Charts on Relation Between Alkylation Conditions and Product Quality.
- 54. Minutes of Meeting on Alkylation and Related Topics 1941.
- 55. Minutes of Meeting on Alkylation and Related Topics 1940.

(f) Contract Between I.G. and Japanese Army.

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- 56. Memorandum on Contract Between I.G. and Japanese Army.
- 57. Contract between I.G. and Japanese Army.
- 58. Memorandum in Japanese - Item 56.
- 59. Contract in Japanese - Item 57.

BAG No. 3520

BAD SACHSA

TARGET OF OPPORTUNITY

(No C.I.O.S. NUMBER

ASSIGNED)

BAG No. 3520.

BAD SACHSA -- TARGET OF OPPORTUNITY.

(No CIOS Number Assigned)

DOCUMENT LIST

images

1. Agreement between I.G.Farbenindustrie and N.V. de Bataafsche  
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2. OXO contract. 0839
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