

Bag No 3517

Bad Sachsa

Target of Opportunity

(No CLOS Number)

Assigned)

U.S. ARMY - USSTAF

Microfilm No Roll 4-A

BAG 8517 - TARGET 30/4.08
LUDWIGSHAFEN.

(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.

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.

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.

- 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.

- 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.

- 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.