

R E S T R I C T E D

Technical Oil Mission
Indexes - Reel 17 and Reel 18

Page 2

BAG TARGET

INDEX - MICROFILM - REEL - 18
(Orig. Ident. Reel 18A)

3042 30/4.02 - I.G. Farbenindustrie, A.G. - Leuna

- (A) Butane Dehydrogenation and Isomerization
1. Equilibrium Calculation for the Dehydrogenation of Butane
 2. Memorandum on Alkylation, Dehydrogenation and Isomerization Problems
 3. Memorandum on Isomerization
 4. Manufacture of Dehydrogenation Catalyst
 5. Separation of Butanes & Butylenes by Azeotropic Distillation
 6. Catalyst Evaluation Method
 7. Design for Dehydrogenation, Isomerization and Alkylation Plant at Scholven
 8. Comparison of Catalytic Dehydrogenation with Chlorination-Dehydrochlorination
 9. Comparison of Catalytic Dehydrogenation with Chlorination-Dehydrochlorination
 10. Status of Development Work on Hydrogenation, Isomerization and Alkylation at Leuna
 11. History of the Development of Dehydrogenation of Isobutane, Isomerization and Alkylation at Leuna
 12. Comparison of Catalytic Dehydrogenation with Chlorination-Dehydrochlorination
 13. Octane No. of Fractions of Alkylate
 14. Dehydrogenation of Propane by Chlorination
 15. Patent Application for Chlorination of Paraffins
 16. Design of Hydrogenation, Isomerization and Alkylation for Böhlen
 - 16a. Design of Dehydrogenation, Isomerization and Alkylation for Wesseling

R E S T R I C T E D

R E S T R I C T E D

Technical Oil Mission
Indexes - Reel 18

Page 3

BAG

TARGET

17. Design of Dehydrogenation, Isomerization and Alkylation for Blechhammer
 18. Design of Dehydrogenation, Isomerization and Alkylation for Pölitz
 19. Design of Dehydrogenation, Isomerization and Alkylation for Brux
 20. Inspection Data of Alkylation Blends
 21. Exchange of Experiences on Alkylation and Related Subjects
 22. Reworking of Spent Dehydrogenation Catalysts
 23. Analytical Data on Alkylate
 24. Plant Experiments on Dehydrogenation of Butane
 25. Butane & Propane Dehydrogenation with Fixed Catalyst Bed
 26. Utilization of Spent Alkylation Acid
 27. New Design of Dehydrogenation Furnace at Pölitz
 28. Exchange of Experiences with Dehydrogenation and Alkylation Plants
 29. Dehydrogenation of Butane with Fixed Bed Catalyst
 30. Drying of Dehydrogenation Catalysts
 31. Use of Propylene in Alkylation
 32. Use of Butylene from Fischer-Tropsch for Alkylation
 33. Conference on Isomerization - 4/21/42
 34. Experiments on the Removal of Butadiene from the Reaction Gas from Butane Dehydrogenation
 35. Enrichment of Lower Aliphatic Olefins from Olefin-Paraffin Mixture by Absorption in Silver Solution
 36. Catalytic Dehydrogenation Propane to Propene
 37. Methods of Dehydrogenation of Gaseous Hydrocarbons
 38. Method of Preparing Valuable Fuels (H_2SO_4 Alkylation)
 39. Method of Preparing Valuable Fuels (Conc. of C_4)
 40. Solvent Extraction of Light Olefins from Olefin-Paraffin Mixtures
 41. Hirschbeck-Catalytic Dehydrogenation of iso-Butane
- (B) Miscellaneous
-
42. First Period of Operation of Arobin Plant
 43. Kuckuck-Correspondence Codes
 44. Dehydrogenation of 1-1-3 Dioxane to Amylene Glycol
 45. Report on Visit to Leverkusen re Synol or Oxo
 46. (Alcohols - C_7-C_9) - Determination of Sulfur and Chlorine in Tin-Containing Oils
 47. Determination of Chromium and Zinc in Catalysts
 48. Determination of Chromium and Zinc in Catalysts
 49. Use of Raman Spectra in Analysis
 50. Method for Recovering Hydrogen Peroxide
 51. Breaking of Crude Oil Emulsion
 52. Preparation of Methylamine from Methanol and Ammonia by the Use of Pressure and Catalyst
 53. Experiments on Preparation of Adipic Acid and Alkyladipic Acids
 54. Chemical Equilibria in the Claus Process

R E S T R I C T E D

R E S T R I C T E D

Technical Oil Mission
Indexes - Reel 18 and Reel 19

Page 4

BAG TARGET

55. Production of Synthetic Montmevillanite from Generator Slag for Treatment of Used Lubricating Oils
 56. Theory of Electrolytic Synthesis of Sebasic Acid from Adipic Acid
 57. Determination of Neutral Oil Content of Phenol Oils and Phenol Waste Liquor
 58. Solubility of cyclohexanone oxime in cyclohexane
 59. Dephenolizing Phenolic Water by Means of Flue Gas from the Boiler House
 60. Polyurethane
 61. Triptane
 62. Method for Refining Waxy Oils
 63. Method for Preparation of Aliphatic Diamines
 64. Method for Preparation of Condensation Products
 65. Preparation of Amines from Aldehydes and Ketones by Hydrogenation in the presence of Ammonia
 66. Chemical Reports, April 1942
 67. Preparation of Aromatic Amines by Hydrogenation under Pressure
 68. Preparation of Diesel Oil from Coal Middle Oil through Extraction with Butane - SO₂
 69. CO₂ Washer Designs
 70. Paraffin Nitration
- (C) Catalytic Cracking
- 71a. Aviation Gasoline by Catalytic Cracking
 71. Reconstruction of F.K. - Experimental Reactors
 72. A Fluid Catalyst Process
 73. 40,000 Ton/Yr. Catalytic Cracking (K.F.) Plant for Moosbierbaum
 74. Catalytic Cracking Experiments; Comparison between moving and Fixed Bed Operation
 75. Status of Catalytic Cracking of June 1942
 76. A Method of Converting Hydrocarbons through Heating in the Presence of A Catalyst
 77. Burning Velocity of Coke from Catalyst in Catalytic Cracking Process
 78. Catalytic Cracking of Pure Hydrocarbons
 79. Catalytic Cracking; in a Fixed Bed - Report of Leuna Pilot Plant
 80. Aircraft Fuel from Catalytic Cracking
 81. Fluid Catalytic Cracking
 82. Catalytic Cracking of Hydrocarbons