

R E S T R I C T E D

Technical Oil Mission
Indexes - Reel 18 and Reel 19

Page 4

BAG TARGET

INDEX - MICROFILM - REEL - 19
(Orig. Ident. Reel 19A)

3042 (D) DHD and HF Processes

83. Catalyst Removal in HF Plant, Moosbierbaum, Aug. 1943

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 19

Page 5

BAG TARGET

84. Preparation of Catalyst for Third Filling, FFI
85. Organization Chart, Mineral Oil Operations;
Moosbierbaum July 1943
86. Analysis of Representative Moosbierbaum Samples
87. Turnaround of HF Plant, Moosbierbaum
88. Catalyst Samples, Moosbierbaum
89. Samples of Unstabilized Product and Circulating Gas,
HF Moosbierbaum
90. Observations on Operations of HF
91. Tests on HF Product Samples
92. Monthly Report on Moosbierbaum HF Operation, Nov. 1944
93. Same - August 1944
94. Monthly Report on Moosbierbaum HF Operation, July 1944
95. Same - June 1944
96. Method for Conversion of Hydrocarbons
97. Method for Dehydrogenating Hydrocarbons
98. Method of Obtaining Antiknock Gasoline
99. Method of Preparing Antiknock Hydrocarbons
100. The Hydroforming HF Process
101. Conference in Leuna on DHD and HF Processes
102. Study of Polymer Bottoms from DHD and HF Processes
103. Catalytic Dehydrogenation in the Presence of Hydrogen

(E) Refining Process, Miscellaneous

104. Refining Gasoline from Carbonization of Coal
105. Dewaxing at Moosbierbaum
106. Kuckuck Project
107. Butadiene from Thermal Cracking of Naphthenes
108. Apollo Refining, Pressburg
109. Use of Leaded Aviation Gasoline for Motor Vehicles
and Tanks

(F) Preparation of Aromatics

110. Distillation Curve for Azeotropic Distillation of
Aromatics with Methanol
111. Patent Application on a Process for the Manufacture
of Toluene from Benzene and Methanol
112. Patent Application on the Manufacture of Aromatics
by Alkylation of Aromatics
113. Preparation and Properties of Alkylbenzenes
114. Patent Application on the Manufacture of Aromatics
by Alkylation
115. Patent Application on the Manufacture of Aromatics
by Alkylation
116. Patent Application on the Separation of Aromatics
from other Hydrocarbons by Azeotropic Distillation
117. Patent Application on the Preparation of Pure M-Xylene

(G) Proposed Manufacture of Toluene

118. German Patent on the Manufacture of Benzene and
Toluene by Demethylation of Polymethylbenzenes

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 19

Page 6

BAG TARGET

- 119. Memorandum on the Distillation of Aromatics for the Recovery of Toluene
- 120. Flow Sheet for Proposed Manufacture of Toluene
- 121. Toluene by Azeotropic Distillation of Aromatic Fraction
- 122. Proposed Toluene Manufacture at Leuna
- 123. Same
- 124. Description and Flow Sheet of Proposed Toluene Manufacture at Leuna
- 125. Economics of Toluene Manufacture by Demethylation of Higher Aromatics
- 126. German Sources and Possibilities for the Manufacture of Toluene and Xylene
- 127. Summary of the Literature and Patent References on the Manufacture of Toluene from Heptane by Ruhrchemie
- 128. Manufacture and Possible Uses for Xylene
- 129. Preparation of Toluene by Dehydrogenation of Cooking Plant Toluene
- 130. Estimation of the Possibility of Toluene Manufacture at Leuna
- 131. Manufacture of Toluene at Leuna from Aromatic Fractions from Politz
- 132. Preparation of Toluene from Boiling Aromatics by Catalytic Treatment

(II) Alcohols Synthesis from CO and H₂

- 133. Report on Use of Zinc and Chromium Catalysts for the Synthesis of Methanol
- 134. Report on Improvement of the Strength of Catalysts for the Methanol Synthesis
- 135. Report on the Synol Synthesis
- 136. Patent Application on Manufacture of Alcohols from CO and H₂
- 137. Same
- 138. Same
- 139. Same
- 140. Same
- 141. Patent Application on the Separation of Alcohols and Hydrocarbons
- 142. Patent Application on the Processing of the Reaction Products of the Synthesis from CO and H₂
- 143. Patent Application on the Processing of the Reaction Products of the Synthesis from CO and H₂
- 144. Patent Application on the Preparation of Organic Compounds containing Oxygen (Oxo-Synthesis)
- 145. Dicarboxylic Acid Half Ester Salts of Long Chain Synol and Oxo Alcohols

(I) Reactors for Catalytic Process

- 146. Patent Application for a Reactor Provided with Tubes for Temperature Control
- 147. Same

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 19 and Reel 20

Page 7

BAG TARGET

148. Patent Application for a Reactor with Moving Catalyst
149. Same

(J) Fischer-Tropsch

150. Progress Report from Franz Fischer's Laboratory
 from April 1941 to March 1942
151. Experiments on Hydrocarbon Synthesis at Leuna
152. Hydrocarbon Synthesis from Mixtures of Carbon
 Monoxide and Hydrogen, 11a

R E S T R I C T E D