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INDEX - MICROFILM - REEL - 79
(Orig. Ident. Reel 3E)

3996 30/5.01, 3.01a, 3.01b, 3.09 - Opportunity - Hamburg (Continued)

85. Reports on cracking various waxes
86. Report on experimental runs of cracking chamber
87. Plot plan of Politz plant
88. Plot plan and elevation for proposed gas absorption plant
89. Proposal for gas polymerization
90. Lurgi proposal for gas polymerization
91. Memorandum on gas polymerization
92. Memoranda on oil absorption
93. Lurgi proposal for gas absorption plant
94. Proposal for the construction of additional plant facilities for manufacture of aviation lube oil
95. Same
96. Inspection data on slack waxes.
97. Memorandum on operational details
98. Inspection data of plant products
99. Iodine number of synthetic lube oils
100. Design calculations for heater
101. Design calculations for cracking unit
102. Flowsheet for paraffin wax treating
103. Flowsheet for polymerization unit
104. Flowsheet of entire Politz plant

VI. Utilization of $AlCl_3$ sludge from the manufacture of synthetic lube oil

105. Pumps for $AlCl_3$ sludge
106. Memorandum on $AlCl_3$
107. Corrosion tests with $AlCl_3$ solutions
108. Memorandum on utilization of $AlCl_3$ sludge
109. Same
110. Same
111. By-products obtained at Politz
112. Working-up of sludge containing $AlCl_3$
113. Inspection data on oil from decomposition of $AlCl_3$ complex
114. Utilization of $AlCl_3$ sludge
115. Same

VII. Exchange of information on manufacture of synthetic lube oils

116. Memorandum on quality of products from Rhenania
117. Comparison of operations and products of F.G. and Rhenania
118. Laboratory tests on synthetic lube oil manufacture from various cracked waxes
119. Plant experiments at Oppau
120. Same

VIII. Research reports from the Amsterdam laboratory of N.V. Bataafche Petroleum Maatschappij

121. Aniline point of petroleum fractions
122. Relation between the U.O.P. characterization factor and other properties of petroleum fractions (in Dutch)

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123. Short review of the work on combatting plant diseases
124. Investigation of the structure of olefins in cracked distillates by the peracetic acid method
125. Glueing of paper with Lubex (SO₂ extract of lube oil)
126. Pilot plant manufacture of propane peroxide
127. Use of Raman spectroscopy in the analysis of hydrocarbons (in Dutch)
128. Problems of synthetic lube oil manufacture
129. Continuous manufacture of lime base greases
130. Physical-chemical behavior of hydrocarbons containing more than twenty carbon atoms
131. Treatment of cracked distillates with selective solvents
132. The effect of cracking conditions on the polymerization of olefins to synthetic lube oil and the quality of the oils
133. The recovery of H₂O₂ from propane peroxides (in Dutch)
134. Effect of the conditions of the polymerization on the course of the synthesis
135. Volatilization
136. Glueing of paper
137. Structure of lubricating oils: (Incomplete)