

R E S T R I C T E D

Technical Oil Mission
Index - Reel 56

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BAG

TARGET

INDEX - MICROFILM - REEL - 56
(Orig. Ident. Reel 4C)

3516 30/Opportunity (Bad Sachsa)

(a) Manufacture of Acetylene from Hydrocarbon by Electric Arc

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

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

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)

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

22. Isopropyl ether as aviation fuel component
23. Specifications for DHD gasoline at Ludwigshafen
24. Potential carbon black manufacture from Rumanian Natural Gas

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