

SINCLAIR REFINING COMPANY

Reel 34  
 Bag 3440  
 Item 56

(Re: Reduction)

1653

S-8

Ruhrchemie A.G.  
 October 25, 1940

Dr. Genrke

Re: Catalyst Reduction

We have reduced the catalyst samples sent by your laboratory under harsher conditions (400°, 2 hrs, 300 l H<sub>2</sub>N<sub>2</sub>) and have come to the following observations:

Catalyst Designation

Kieselgur of the Catalyst	Granule Size	H <sub>2</sub> O Contents	Volume Shrinking During Reduction	Reduction Value
1.) Kieselgur 120	1-2 mm	7%	5.2%	85.3%
2.) Kieselgur 120	2-3 "	8	8.3	88.2
3.) A KW-gur	1-2 "	7.5	5.2	76.6
4.) A KW-gur	2-3 "	6.5	5.7	64.2
5.) Else-gur	2-3 "	8.5	6.1	71.5
6.) Oberche-gur	2-3 "	8.5	10.4	74.4

MB:op

M. Beth