

INDEX - MICROFILM REEL 276

FRAME NUMBERS

- 507-508 Notice of lubricant work done by Shell in Borneo and Amsterdam,
- 509-514 Notice concerning a conference of the Nord-deutsche Mineraloelwerke Stettin G.m.b.H. re: Difficulties in the starting up period. Notice dated October 13, 1942.
- 515-516 Correspondence re: Lubricants in Pöltz and Schkopau. Dated December 19, 1942.
- 517-518 Notice concerning a conference at the Nord-deutsche Mineraloelwerke in Stettin-Pöltz on February 24, 1943 re: Production difficulties in Pöltz.
- 519-526 License agreement between I.G. and Nord-deutsche Mineraloelwerke for a process for the production of high grade lubricants from paraffinic hydrocarbons. I.R.P. 624,583.
- 527-530 Construction contract between I.G. and Norddeutsche Mineraloelwerke for the construction of a lubricant factory in Pöltz.
- 531-532 Agreement between I.G., Deutsch-Amerikanische Petroleum-Gesellschaft and Deutsche Vacuum Oel A.G. concerning obligations and duties in lubricant manufacture process.

T.O.M. Reel 276

FRAME NUMBERS

- 533-534 Notice concerning patents for paraffin lubricant manufacture. Dated November 16, 1943--from Ludwigshafen to Dr. Zorn in Leuna.
- 535-537 Notice concerning a conference of the Nord-deutsche Mineraloelwerke in Pöllitz on August 17, 1943 re: Production of oils from paraffins.
- 538 Correspondence concerning aviation oil. Dated August 7, 1943.
- 539-540 Note concerning the production of synthetic lubricants. Dated August 16, 1943. From Brabag to Ammoniakwerk.
- 541-542 Note concerning synthetic lubricants. Dated September 15, 1943. From Brabag to Ammoniakwerk.
- 543-545 Data on oils from Brabag. Dated August 29, 1943 and October 27, 1943.
- 546 Note concerning synthetic lubricants. Dated October 15, 1943. From Brabag to Dr. Zorn.
- 547 Note concerning motor tests of oil. Dated February 10, 1944. From Brabag to Dr. Hochswender.
- 548-550 Notice concerning a conference at Ruhrchemie, Holten on April 13, 1944 concerning lubricants.
- 551-552 Letter concerning paraffin production. Dated March 11, 1943. From Arbeitsgemeinschaft Erdölgegewinnung und -verarbeitung.
- 553-554 Table labeled Paraffin Balance.
- 555-557 Correspondence concerning the testing of a uniform aviation oil. Dated June 1939.

T.O.M. Reel 276

FRAME NUMBERS

- 558-566      Tables showing investigation results of various oils of January 10, 1939.
- 567-570      A report on the testing of various lubricants in the motor of the type AS 4lo. Dated February 7, 1941, Argus Motor Gesellschaft m.b.H.
- 572-574      Durability testing of lubricant SS 966 p in the motor of the type Jumo 211B. Werk-Nr. 15806.
- 575-577      Durability testing of lubricant SS 970 p in the motor of the type Jumo 211B. Werk-Nr. 52063.
- 578-581      Durability testing of lubricant SS 962 p in the motor of the type Jumo 211B. Werk-Nr. 52053.
- 582-586      Note and two reports from Hirth-Motoren G.m.b.H concerning the testing of oils SS 971 p and SS 966 p in the motor HM 504 A-2. August and September 1939.
- 587-588      Note and report from Hirth-Motoren G.m.b.H. concerning the testing of oils SS 962 p and SS 970 p in the motor HM 504 A-2. September 1939.
- 589-620      Research report concerning the testing of lubricant SS 904 a in a DB 601 E motor in Werk UT. Curves and tables given.
- 621-623      Report on a 100-hour run with oil SS 962 p. Conference on August 18, 1939.
- 624-626      Report on a 100-hour run with oil SS 966 p. Conference on October 11, 1939.
- 627-629      Report on the testing of the lubricant of Ammoniakwerk, Merseburg, for our motor 132 N. BMW Flugmotorenbaugesell. m.b.H.

T.O.M. Reel 276

FRAME NUMBERS

- 630-631 Report of findings with tests of lubricant SS 962/71 p. in the motor 132 N/V-95 and 132 N/V-96 for 100-hour run. BMW Flugmotorenbau Gesell. m.b.H.
- 632-643 A series of graphs showing various factors such as ash content and saponification number, during the time of running, using a motor of the type, 132 N.
- 644-658 A report on testing of the lubricants SS 962, SS 966 p, SS 970 p and SS 971 p of Ammoniakwerk, Merseburg, for the motor 132 N. BMW Flugmotorenbau Gesellschaft m.b.H.
- 659-663 Undeveloped frames.
- 664-671 Letter from I.G. to Ammoniakwerk concerning lubricant testing. Dated January 31, 1941. Tables and curves given.
- 672-673 Two untitled curves.
- 676 Note on the pre-treatment of axle lubricants for testing in the Höppler-Viscosimeter.
- 677-678 Research on winter axle lubricants.
- 679-681 Letter from I.G. to Ammoniakwerk, Merseburg, concerning lubricant testing. Dated December 12, 1940.
- 682-692 Tables showing various characteristics of different lubricants.
- 693 Letter from Ammoniakwerk, Merseburg, to the Chemische Versuchsanstalt der Deutschen Reichsbahn concerning cold auto oil. Dated May 15, 1942.

T.O.M. Reel 276

FRAME NUMBERS

- 694 Notice concerning lubricant conference with Penzig, Sauer and Halder in Oppau, October 31 and November 1, 1940. Dated Leunawerke, November 4, 1940.
- 695 Letter from Ammoniakwerk, Merseburg, to the Chemische Versuchsanstalt der Deutschen Reichsbahn concerning cold axle oil. Dated April 21, 1942.
- 696-701 Viscosity measurements of lubricants for combustion motors at low temperatures. Article by Dr. R. Seufert.
- 702-706 "Kältebeständige Achsenöle." Article by Dr. R. Seufert.
- 707-710 Letter from I.G. to Dr. Zorn, Ammoniakwerk, Merseburg, concerning lubricant testing. Ludwigshafen, June 17, 1941. Several curves and table included.
- 711-712 Letter from Dr. R. Brunck of Arbeitsgemeinschaft Erdölgewinnung und -verarbeitung to Dr. Zorn of Ammoniakwerk, Merseburg, dated November 2, 1942, concerning superheated cylinder oil from aluminum chloride sludge.
- 713 Note from Reichsbahn-Zentralamt to Ammoniakwerk, Merseburg, concerning Y-axle oil. Dated June 13, 1942.
- 714-718 Abstract from the reports of Arbeitsgemeinschaft Schmier- und Kraftstoffe of the RZA, Berlin, to the Reichsverkehrministerium, Berlin, concerning testing experiments with cold-resistant axle oils from I.G. Farben.

T.O.M. Reel 276

FRAME NUMBERS

- 719-721 Letter from Knorr-Bremse A.G. to Ammoniakwerk, Merseburg, concerning axle oil for especially low temperatures. Dated June 26, 1942.
- 722-724 Letter dated June 27, 1942 concerning increasing the performance and operating safety of railway vehicles.
- 725 Letter from the Deutsche Reichsbahn to Ammoniakwerk, Merseburg, concerning Y-oil. Dated August 7, 1943.
- 726 Notice from Leuna Werke concerning a conference at the Reichsbahnzentralamt in Berlin on July 22, 1943 on the question of Y-axle oil. Notice dated July 26, 1943.
- 727-729 Special report to the Deutsche Reichsbahn concerning Y-axle oil.
- 730 Letter from the Deutsche Reichsbahn to Ammoniakwerk, Merseburg, concerning Y-axle oil. Dated March 24, 1944.
- 731 Letter from the Deutsche Reichsbahn to Dr. Adolf Müller of GB Chemie concerning Y-axle oil. Dated December 13, 1943.
- 732 Note from Ammoniakwerk, Merseburg, to the Deutsche Reichsbahn concerning the supply of Y-axle oil "rot". Dated November 16, 1944.
- 733 Note from Ammoniakwerk, Merseburg to I.G. concerning the supply contract of Y-axle oil "rot". Dated June 10, 1943.
- 734 Supply contract between the Deutsche Reichsbahn and Ammoniakwerk, Merseburg, concerning the supply of Y-axle oil "rot".

T.O.M. Reel 276

FRAME NUMBERS

- 735-743      Notice concerning the price of Y-axle oil-  
"rot". Dated Leuna Werke, July 24, 1942.
- 744      Analysis data of tests on M.G. oil shipped  
December 4, 1940.
- 745-749      Letter from I.G. to Ammoniakwerk, Merseburg,  
concerning the testing of M.G. oil. Dated  
November 4, 1941.
- 750      Summary of the analysis of M.G. oil. Dated  
I.G., Ludwigshafen. August 1, 1940.
- 751-753      Letter from I.G. to Ammoniakwerk, Merseburg,  
concerning military oil / M 518. Dated  
June 3, 1941.
- 754      Letter from Dr. Zorn to I.G. concerning  
military oil research. Dated April 14, 1942.
- 756-763      Curves showing the results of various oil  
tests at I.G.
- 764-766      No frames occur.
- 767-770      Report on the testing of lubricant SS 3900  
from Ammoniakwerk, Merseburg. Dated BMW  
Flugmotorenbau Gesellschaft m.b.H., August 17,  
1943.
- 771-778      Test of lubricant SS 3900 from Ammoniakwerk,  
Merseburg, and the fat product V 2741 from  
Rheinla-Oesag. Dated Eisenach, July 26,  
1943. Graphs and diagrams are included.
- 779      Note concerning the testing of the fat product  
V 2741 in the motors of the type 132-A3, T3,  
T3, Z3. Dated BMW Flugmotorenbau Gesellschaft  
m.b.H., August 17, 1943.

T.O.M. Reel 276

FRAME NUMBERS

- 780-798 Research report on lubricant testing in the single cylinder Diesel motor Jumo 205—the influence of lubricant and fuel on residue formation and on the wear of the firing. Tests carried out February-April 1943. Dated OMW-Prufstand, May 12, 1943. Graphs and photos.
- 799-803 Laboratory report entitled "Identification of Inhibitors R and S in Lubricants". Dated Leuna Werke, December 16, 1942.
- 804-811 Report concerning the testing of lubricant TZ 900 of I.G. Farbenindustrie. Dated BMW Flugmotorenbau G.m.b.H., July 23, 1940.
- 812-814 Notice concerning the conference on lubricants in RLM in January 1941.
- 815-827 Report 103 concerning lubricant testing in the BMW single cylinder—the testing of aviation motor lubricant L 15082. Dated INTAVA Arbeitsgemeinschaft Forschungs- und Versuchsabteilung, May 9, 1941. Investigator: Meinhard.
- 828-842 Report 99 concerning the testing of an aviation motor oil mixture of synthetic and petroleum components without inhibitors. Dated INTAVA Arbeitsgemeinschaft Forschungs- und Versuchsabteilung, March 28, 1941. Investigator: Meinhard.
- 843-851 Short report 306 concerning the testing of lubricant L 45. Dated I.G. Farbenindustrie A.G., Ludwigshafen, May 8, 1941. Investigator: Lauer.
- 852-856 Report concerning research on the water absorptivity and stability to oxidation of SS 906 r. (Carried out at Ammoniakwerk, Merseburg Me 127.)

T.O.M. Reel 276

FRAME NUMBERS

- 857-860 Report on the 100 hour testing of mixed synthetic lubricant P 20 in the motor Jumo 211F. Dated Rechlin, January 29, 1942.
- 861-864 Report on the testing of mixed synthetic lubricant P 20 in the motor Bramo 323 P/l. Dated Rechlin, June 29, 1942.
- 865-871 Report on the testing of lubricant SS 903 in the BMW 132 A single cylinder motor. Dated Reichsminister, der Luftfahrt und Oberbefehlshaber der Luftwaffe, March 1942.
- 872-876 Report on the testing of I.G. lubricant number 493.7 in the BMW 132A single cylinder motor. Dated Rechlin, July 20, 1942. Investigators: Dr. Bahn and v. Genbach.
- 877-878 Letter from Ammoniakwerk, Merseburg, to Reichsluftfahrtministerium, dated September 22, 1941, concerning inhibitors.
- 879-899 A series of letters and graphs from I.G. to Ammoniakwerk, Merseburg, concerning the results of tests on Ammoniakwerk lubricants with regard to their wear. Dated between January-April 1941.
- 900-905 Results of tests made on Ammoniakwerk oils with regard to their effects on resonance. Submitted by I.G. to Ammoniakwerk, Merseburg, and dated March 17, 1944.
- 906-911 Results of tests made on Ammoniakwerk lubricants with regard to their effects on resonance and noise. Submitted by I.G. to Ammoniakwerk, Merseburg, and dated during August and September 1943.

T.O.M. Rec 276

FRAME NUMBERS

912-913

Analytical results of physical properties of oils sent by Dr. Zorn of Ammoniakwerk, Merseburg, to Halder of the Techn. Prüfstand, Oppau. Dated September 15, 1942.

914-920

Report on the investigation of seven synthetic lubricants in the "Zahnradprüfstand" by order of I.G. and Ammoniakwerk, Merseburg. Investigation carried out in the Laboratorium für Schmierungsorschung an der Technischen Hochschule, Dresden, under the direction of E. Heidebroek and E. Pietsch. Dated Dresden, September 20, 1943.

921-923

Results of tests on lubricants with regard to their effect on resonance and noise. From I.G. to Dr. Zorn, Leuna. Dated July 15, 1943.

924-932

Curves on various tests made with lubricants.

933-939

Letters and curves concerning the results of tests made with synthetic lubricant 1586.

940-965

Series of letters and curves concerning the results of lubricants testing. Correspondence from I.G. to Ammoniakwerk, Merseburg, is dated during 1943 and 1944.

966-971

Summary of contents and critical comments by Dr. Kiesskalt on the treatise in Proceedings of the Royal Society, Series A, Mathematical and Physical Sciences, No. 968, December 31, 1940, Vol. 177, London, entitled "On the Mechanism of Boundary Lubrication"

972-975

Extract from "Lagerreibung und Grenzflächenerscheinungen". (Storage friction and boundary phenomena). Report by Dr. Kiesskalt.

T.O.M. Reel 276

FRAME NUMBERS

- 976 Letter from I.G. to Zorn at Leuna concerning the testing of synthetic lubricants. Dated Dec. 11, 1942.
- 977-984 Calculation of the viscosity-pressure relationship of two synthetic lubricants M 586 and M 620 at a given viscosity-temperature relationship. (According to the process in VDI 73 (1929) Nr. 42, S 1503: "Recent results in the pressure viscosity of oils", by Dr. S. Kiesskalt). Dated Hochst, December 10, 1942.
- 985-986 Letter from Dr. Kiesskalt to Dr. Zorn concerning ethylene oils. Dated March 11, 1942.
- 987-996 Calculation of the viscosity-pressure relationship of two synthetic ethylene lubricants at a given viscosity-temperature relationship. (According to the process in VDI 73 (1929) Nr. 42, S 1503: "Recent results in the pressure viscosity of oils" by Dr. S. Kiesskalt).
- 997-1001 Series of letters and curves from I.G. to Dr. Zorn concerning the testing results of lubricants. Dated during 1942.