

Stamford House, Que.

December 11, 1962.

PRESENT: Messrs.: G.F. Jenkins, Chairman Asbestos Corp. Ltd.
G.F.A. Erisk " " "
R.A. Brenley-Moore, Sec. " " "
H.A. Smith Bell Asbestos Mines Ltd.
R. Eccles-Hibron " " "
R. Hutchison Canadian Johns-Manville Co. Ltd.
J.W.P. Archer " " "
V.C. Lindsay " " "
Dr. R.J. Merrill / Care, Canadian Mines Ltd.
F.P. Hodgson Flintkote Mines Ltd.
D.O. Poirier " " "
M.C. Pharo Johnson's Company Ltd.
G.W. Riley " " "
L.C. Puize Lake Asbestos of Quebec Ltd.
J.G. Foy National Asbestos Mines Ltd.
J.J. Paré CANA Sherbrooke Lab.
Dr. A.B. Cummins Consultant
Dr. G.A. Collins " " "
H.M. Woodrooffe Dept. of Mines & Tech. Surveys
Dr. A. Miner " " "
C.C. L.O. Montpetit, Secretary Nicolai Asbestos Mines Ltd.
L.C. Williams Asbestos Textile Institute
W.A. Meausier Asbestos Cement Producers Ass'n.
W.H. Souter Quebec Asbestos Mining Association
Dr. P.E. Pelletier Quebec Department of Natural Resources

- AGENDA: 1. Minutes of 26th. Meeting - September 25th, 1962.
2. Comparison of results of Sherbrooke and individual Company laboratories.
3. New Standard Test Work, Mines Branch, Ottawa.
4. Specifications for Standard Testing Screens.
5. Bauer-McKett - a) Permission to use our procedure in their literature.
b) Sub-Committee Report
c) Effect of Water Variation
6. Grit and Spicule Content Method.
7. Magnetic Rating
8. Dyckhoff Air Permeability.
9. Oil Absorption.
10. Weight per Cubic Foot Test.
11. Preparation and taking of small samples.
12. New Business.
13. Date of next meeting.

1.- The minutes of the 26th meeting were approved.

2.- Comparison of Results: Sherbrooke Laboratory vs. Individual Company Laboratories: Individual companies were requested to send 4. kard their results of exchange samples. Major variations were still indicated on the Quebec Standard Test. A discussion as to the use of experimental procedures and the reporting of such procedures in the average results by the Sherbrooke Laboratory was held. A decision on this matter was left to Mr. Hodgson.

3.- Mr. Standard Test Work, Mines Branch, Ottawa: Messrs. Woodroffe and Winer reported on this work. Presently this work is being concentrated on the measurement of fibre length. The major divisions into which this work is being divided are dispersion, orientation, and measurement. To date a means has been developed of dispersing and orienting the fibre in a stream or dynamic system, but problems have developed in photographing these results. Several slides were shown, showing the results obtained in a static system and two film strips were shown on the static and dynamic systems.

Dr. Collins gave a short talk on various studies undertaken by him on length determination and various strength tests. Dr. Collins is also working on filter rates and wet strength tests.

Dr. Cummins reported on work being planned on evaluation of fibres. A plastics company has been approached to perform research work on the use of asbestos with phenolic resins. A program on evaluation of fibres in paper has also been set up and the agency performing this work will commence on this project on January 1st, 1963. Steps are being taken to set up a research program on textiles.

4.- Specifications for standard Testing Screens: Mr. Smith stated that those companies reporting to him were satisfied that their screen cloth was within specification. The Tyler Company had assured Mr. Smith that from now on screen cloth made for the industry would be within specification. Companies were urged to specify the QAMA specifications when ordering screen cloth and to check the cloth upon receiving.

5.- Bauer-McNett: A report was given on the new McNett machine. A difference was found in the 4M results. However the new machine was found to have a different type of screen cloth on the 4M. This cause for the discrepancies will be checked. The advantages and disadvantages of the new machine were given with the major disadvantage being the difficulty encountered in cleaning the screens in the tanks. Operators gave a slight preference to the old type machine. A report on the equipment and findings will be given to the Bauer Company.

Mr. Paré requested the Bauer McNett sub-committee to study the wiper results from the Sherbrooke Laboratory and also to consider incorporation of this method as an amendment to the procedure.

The Bauer Company asked if they could incorporate the QAMA procedure in their literature. The QAMA directors have accepted this request.

6.- Grit and Soecule Content Method: A round robin series of tests has been completed and the sub-committee will study the results.

7. Magnetic Rating: Several comments were received on the procedure and as a result two revisions were made. One comment was that there are other types of equipment than that described in the procedure which can measure magnetic rating and it was suggested that the apparatus be described on a theoretical level rather than for a specific apparatus. The sub-committee rejected this suggestion but did include a note in the procedure to cover other types of apparatus. The second revision was to eliminate mention of the use of magnets in the procedure. Some improvements to the procedure are being considered but they will be put forward at a later date as an amendment. The finalized procedure will now be sent to Dr. Shaw for approval by the A S T M and will then be returned to the Technical Committee for their approval. A wet method (from Shell Oil) of determining magnetite content was turned over to the sub-committee chairman by Mr. Woodroffe.
- 8.- Dyckerhoff Air Permeability: Work will be suspended on the original calibrating standards and will be started on some other type of standard such as capillary tubes, orifices, etc. Fibre has also been suggested as a calibrating standard.
- 9.- Oil Absorption: The sub-committee is working with the Sherbrooke Laboratory staff in writing up an interim test method for the Stormer viscometer. J.H. Research is endeavouring to determine which methods of measuring oil absorption and viscosity would be most applicable to the user. A general discussion followed at which several objections were raised to the writing up of a procedure for the Stormer viscometer.
- 10.- Weight per Cubic Foot Test: A revised procedure was tabled with the revision being a minor change in the method of preparation. The procedure was adopted.
- 11.- Preparation and Taking of small samples: The method used at the Sherbrooke Laboratory was distributed. Further study will be made by the sub-committee before any procedure will be drafted.
- 12.- New Business: It was suggested that the agenda be distributed one week before the meeting.
- 13.- Date of Next Meeting: The next meeting of the Technical Committee will be held on February 12th, 1963 at 10:00 A.M. at the office of Asbestos Corporation Limited in Thorndale Mills.