



FRICION MATERIALS RESEARCH

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Abex Corporation
An IC Industries Company

Research Center

MAHWAH, NEW JERSEY 07430
TEL: 201-529-3450

February 9, 1979

TO: Mr. R. E. Nelson

SUBJECT: Dow-Corning Paper for June SAE Meeting

The subject paper refers to Molykote Q5-7365 and related compositions, trademarked Lubolid. This material is used in our 720 pad as ABD-1152. Mr. Bethke has stated that the people at Essen used it in place of MoS_2 since they saw no difference in performance or any other property, and the cost was somewhat less.

George Kubczak has been here to introduce this product (March 1978) and we have done some experimenting with it. It is reportedly a mixture including MoS_2 and other ingredients. To date, our results have shown no measurable benefit from its use. It is reported that Jurid is using some 6-8 tons/month of this material in disc pads in Europe.

The Falex model no. 1 testing device may be a valuable screening tool for friction and wear properties within a family of compositions, but I question the validity of using it to obtain useful noise and performance evaluations. There are a lot of "could be's" and "might be's" here for a scientific paper.

The dynamometer data (again, noise rating is of questionable value) are not presented, so how can a reader judge their significance?

In summary, the concept of synergistic combinations of temperature stable lubricants is a novel one, and certainly merits further study. The paper, however, makes some claims that are really not backed up in a rigorous manner.

R. A. Pearce

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RAP:sej

cc: ☒ A. D. Indelicato
R. L. Cutler

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