

April 18, 1973

Mr. J. B. McCarthy, Vice President - Manufacture and Leaf

P. H. Leake, Assistant Research and Development Director

Market Lot Report - 2nd Quarter 1973 - Non-filter Cigarettes

There were no major changes noted in this lot of cigarettes. We continue to find "puffy" tobacco in Philip Morris Commander to the extent of approximately five percent; however, there has been no change made in the weight of this cigarette.

Other changes noted in the analyses of the subject cigarettes which were purchased on March 27, 1973 are listed below:

1. The circumferences of the LUCKY STRIKE Cigarettes were 0.4 mm above the target of 25.0 mm. The pressure drops of these cigarettes were slightly below target and the loose end content was slightly above specifications.
2. The circumferences of the HERBERT TAREYTON Cigarettes in this lot were slightly below target. The loose end content was unusually high at 4.25 percent.
3. The circumferences of the Raleigh Plain End Cigarettes in this lot were back to more normal levels after being smaller than usual for the 1st Quarter. The loose end content of these cigarettes was unusually high and was the highest of all of the competing brands. They also had the poorest fireholding capability of all of the competing brands. The total volatile base and nicotine contents of the blend continue to drop and there has been a slight drop in the nicotine delivery to the smoke.
4. The "tar" delivery of the Chesterfield Cigarettes in this group was approximately 4 mgs higher than found during the last three quarters.
5. Philip Morris Commanders has fewer cigarettes in standard than any of the other brands.
6. The following cigarettes had overwrap air leakages in excess of our limit of 21 cc per second:

Camel
Raleigh - Plain End
Philip Morris Commander

TPP:pct
Attachments

cc: Mr. R. K. Heilmann, Chairman and President
Mr. H. G. French, Vice President - Manufacture
Mr. C. R. McKeever, Marketing Director
Mr. John H. Hager, Research and Development Director
Mr. J. E. Dillard, Manager - Virginia Branch
Mr. William Nichols, Jr., Manager - Reidsville Branch
Mr. H. T. Smith, Manager - Durham Branch
Mr. J. G. Kelly, Consulting Engineer - General Engineering Department

