

APPENDIX D

CALCULATIONS OF COLLECTION EFFICIENCY

Lining composition estimate from laboratory analysis, %

SiO ₂	16.3	} Chrysotile asbestos 42.4
MgO	17.8	
Fe ₂ O ₃	2.5	
Al ₂ O ₃	0.3	
H ₂ O	5.5	
CaCO ₃	15.4	
Zn	3.9	
Organic	<u>38.3</u>	
Total	100.0	

Wear debris estimate, %

Decomposed asbestos	36.9
Decomposed limestone	8.6
Zinc metal	<u>3.9</u>
Inorganic	49.4
Organic	
Volatile	10.5
Uncertain	15.7
Low volatility	<u>12.1</u>
Organic collectable	12.1-27.8
Total collectable	61.5-77.2
Collected on filter	47
Collectable material not trapped by filter	14.5-30.2*

*This material presumably on shoe edges, caliper, rotor, wheel, and tire.



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