



EAST CAROLINA UNIVERSITY

GREENVILLE, NORTH CAROLINA 27834

SCHOOL OF
ALLIED HEALTH AND SOCIAL PROFESSIONS
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Office of the Dean

Biostatistics/Epidemiology
Community Health
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Physical Therapy
Rehabilitation Counseling
Social Work and Correctional Services
Speech, Language and Auditory Pathology

June 25, 1980

Wilbur R. White
Energy-Time
Plymouth, N. C. 27962

Dear Wilbur:

I am happy to report the results of the measurements of automobile exhaust CO and HC before and after the addition of Microlon metal treatment. Instructions listed on the labels were followed. The automobiles tested were privately owned and were driven under differing driving conditions.

Measurements of CO and HC were made by utilizing a Model III C Exhaust Emission Analyzer manufactured by Chrysler Corporation. The analyzer was calibrated prior to taking readings.

The results are listed below:

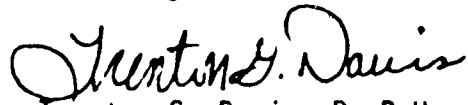
Vehicle	Mileage		HC		CO (%)	
	Before	After	Before	After	Before	After
1975 Volvo 242DL	62,808	63,895	5	3	0.32	0.2
1971 Plymouth V8	136,658	137,014	600	550	1.8	0.9
1975 Mustang II	43,067	44,149	10	5	0.25	0.2
1973 Plymouth V8	88,146	88,850	80	60	2.7	1.8
1969 Buick V-8	85,538	86,023	825	150	0.5	0.25
1965 Ford V-8 (dual exhaust)	141,025	142,210	L 1290 R 1275	1100 1000	0.4 0.25	0.30 0.25
1970 Volkswagen (dual exhaust)	80,000	80,322	L 60 R 50	50 45	4.0 4.3	3.0 3.5
1977 Toyota truck	46,003	46,520	20	10	0.37	0.3
1974 Mercury Capri	56,801	57,443	20	20	0.6	0.5

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The results indicate, in every case, that overall exhaust emissions were reduced after Microlon treatment. No attempts were made to compare gasoline mileage averages before and after treatment.

Enjoyed working with you on this project.

Sincerely,

A handwritten signature in cursive script that reads "Trenton G. Davis".

Trenton G. Davis, Dr.P.H.
Chairman
Department of Environmental Health

TGD:h1