



FRICITION MATERIALS RESEARCH

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File

TO: R. E. Nelson

FROM: S. F. Kulis

SUBJECT: Your Comments Regarding the June FPD Monthly Technical Report
(Letter to T. F. Merkel of 7/14/80)

RO-80-FP-02

The reason for shipment of four car sets of 916-267 to Chrysler was based on an earlier agreement reached at a Technical Meeting held in Mahwah on March 26 and 27.

Based on Alpha truck DOT testing, 916-267 still looks like a good submission. Pedal efforts are much lower than 916-46 except for the fourth 60 and 80 mph effectiveness tests. The reason for this, as you can see below, is that the pedal efforts drop dramatically for 916-46 after the fade testing. In addition, the 916-267 material had shorter stopping distances of 20 to 40 feet during the 80 mph effectiveness test.

VW Alpha Truck DOT Testing

	<u>Shortest Stop Distance(ft)</u>		<u>Shortest Stop Pedal Effort (lbs)</u>	
	<u>916-46</u>	<u>916-267</u>	<u>916-46</u>	<u>916-267</u>
1st 30 mph	44.4	50.0	81-137	55-55
2nd	43.7	46.1	79-134	59-66
4th	42.0	46.4	112-150	66-76
1st 60 mph	177.4	187.6	102-112	61-64
2nd	175.2	184.0	100-108	50-63
4th	179.0	173.7	64-66	74-99
2nd 80 mph	342.5	323.1	63-76	60-69
4th	346.7	306.9	41-44	63-80
Lt Wt 60	157.7	157.7	47-62	47-64
Non Power 60	216.7	259.5	130-143	135-139
Wear (mm)	0.90	1.03	-	-

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