

SALES REPRESENTATIVE'S REPORT

FRICTION PRODUCTS GROUP

Typed 6/20/79

TYPE OF CALL

Received 6/18/79

RESPONSE REQUESTED ☐

6/13, 14 & 16/79

CUSTOMER CADILLAC MOTOR DIVISION	REPRESENTATIVE L. E. B.	REPORT No. 8050
ADDRESS 2860 Clark Avenue	CITY Detroit, MI	STATE/ZIP 48232
		PHONE 556-6000

OFFICIALS INTERVIEWED

G. Buyck - Senior Design Engineer
 B. Mazurek - Senior Design Engineer
 B. Edsall - Staff Engineer

COMMENTS

Reviewed with the above on the various occasions the findings of Mr. Al Indelicato and the Winchester plant on the 734-161 and 38-27E friction materials forwarded to them from Delco-Moraine which had been tested by Cadillac Division.

It should be remembered that the request for specific help occurred as a result of Cadillac having difficulty in passing the FMVSS 105 tests for 1980 model year. As a matter of fact, due to premature rear wheel brake lockup, they failed the test due to extended stopping distances. Our preliminary findings indicate that the samples returned of new material manufactured recently and new material manufactured in the past are equivalent as best as we can determine, based on SAE J661 tests. As a matter of fact, the friction levels fall on the low side of the bogey established.

Related the acetone extract, specific gravity and gogan numbers to them and although they are within our specifications, there are some differences. The question arises as to whether the differences are significant enough, such as higher extracts on the newer material, softer lining on the newer material and less dense, has a direct bearing on their problems. It is our contention that they do not, however, Cadillac has expressed some concern. Listed below are the acetone extract, specific gravity and gogan figures that the writer presented to Cadillac:

Winchester - Samples from Delco-Moraine

<u>734-161</u>	<u>Old Material</u>	<u>Spec.</u>	<u>New Material</u>
Acetone Extract	1.94%	4 max. %	3.27%
Specific Gravity	1.87	1.9 + .09	1.79
Gogan	18-19	15-41	31
 <u>38-27E</u>			
Acetone Extract	2.34%	2.5 max. %	2.6 %
Specific Gravity	1.95	1.91-2.02	1.91
Gogan	22-24	15-40	28-29

To alleviate the legal vehicle problem, they are going to release for production the Delco-Moraine 8011 formula and the Abex rear lining for Job 1. They hope that we will be able to establish that something is wrong,

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