

ABEX CORPORATION -- ENG. TEST CENTER -- MAHWAH, N.J.
DYNAMOMETER BRAKE TEST -- FMVSS #121

LINING.....SCANPAK RF 28-30FF
BRAKE.....ROCKWELL 16 1/2 X 7
POWER.....6 X 30
DRUM TYPE.....GUNITE 2997
DRUM WEIGHT....107.70

TEST NUMBER.....6-802
DATE.....9/7/78
PROCEDURE.....D-260
ROLLING RADIUS... 21.8
WHEEL LOAD.....10109

50 MPH COLD RETARDATION

STOP NO.	AIR PRES (CA)	CAMS TORQ /100	TORQUES/100			DECEL (TORQ)	% RETARD	
			MIN	PEAK	MEAN		ACTUAL	REQD
40	20	32	370	493	433	5.50	.170	.050
50	30	47	520	649	571	7.82	.242	.120
60	40	62	636	780	694	9.88	.307	.180
70	50	77	766	888	814	11.65	.362	.250
80	60	91	886	969	931	13.59	.422	.310
90	70	105	978	1086	1024	15.17	.471	.370
100	80	117	1084	1198	1135	16.78	.521	.410

50 TO 15 MPH BRAKE POWER

STOP NO.	AIR PRES (CA)	AIR PRES (CP)	STOP TIME	TORQUES/100			DECEL (TORQ) (C)
				MIN	PEAK	MEAN	
1	37	39	5.9	568	682	636	9.16
2	38	41	5.8	592	667	637	9.14
3	40	42	5.9	574	657	616	9.16
4	42	44	5.9	586	666	631	9.08
5	42	45	5.8	583	667	630	9.24
6	44	46	5.6	594	666	628	9.09
7	44	47	5.9	591	673	636	9.18
8	46	49	5.8	600	675	636	9.27
9	46	49	5.6	600	667	633	9.34
10	49	52	5.9	562	673	633	8.83

20 MPH TORQUE PERFORMANCE

1	83	90	2.3	919	1039	1005	12.76
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30 MPH BRAKE RECOVERY

1	61	67	4.0	795	904	852	11.22
2	59	65	4.0	774	879	847	11.41
3	58	63	4.0	802	895	859	11.61
4	57	61	3.9	793	885	850	11.53
5	56	61	4.0	831	927	862	11.88
6	56	61	3.8	799	894	852	11.79
7	56	61	3.9	780	891	852	11.77
8	59	63	3.9	820	883	850	11.53
9	57	63	3.9	799	882	850	11.85
10	57	62	3.9	799	891	853	11.85
11	61	66	4.0	796	888	858	11.37
12	59	64	3.9	817	906	864	11.89
13	59	67	3.9	805	889	852	11.71
14	61	67	4.0	802	913	858	11.58
15	61	65	4.0	825	918	864	11.91
16	57	64	3.8	817	927	861	11.77
17	58	64	3.9	799	897	844	11.56
18	58	65	3.9	810	906	853	11.76
19	61	66	4.0	813	910	874	11.71
20	60	64	3.9	817	916	867	11.94