KELSEY-HAYES COMPANY
BRAKE DYNAMOMETER TEST

SHEET NO. 4 OF
DYNA. TEST NO. 79-7
DATE: 1-15-79

BRAKE: VW 48mm LINING: Delco 8032 ~~DRUM~~ (ROTOR) Solid

Step 4. Fade - NOTE: Remove hood for fade and recovery.
Cycles - 15.
Speed - 80 KPH to 0 KPH (804 rpm to 0 rpm).
Hyd. Pressure Control - 870 PSI (60 Bar.)
Time Control - 60 Second cycle from beginning of one stop to the beginning of next stop.
Initial Rotor Temperature - 104°F Initial (40°C). Initial reading convert to centigrade. (Record next to stops.
Cooling Air - OFF.

Step 5. Recovery - NOTE: No cooling air or hood on until 302°F and 212°F sto
Cycles - 1 application at each temperature.
Speed - 80 KPH to 0 KPH (804 rpm to 0 rpm).
Hyd. Pressure Control - 870 PSI (60 Bar).
Initial Rotor Temperature - 572°F (300°C), 482°F (250°C), 392°F (200°C

Replace Hood and Cooling Air ON 302°F (150°C), 212°F (100°C)

FADE	Stop No	Stop Time Sec.	Revs to Stop	Avg. Decel, M/Sec²	Torque Lb.Ft. Init	Sust	Final	Torque LBFT Avg.	Rotor Temp. °F	°C	f
) Km/h											
of RPM	1	4.5	31.8	4.9	400	500	600	523	104	40	.342
	2	3.8	27.8	5.8	450	600	700	617	285	140	.405
d. Press.	3	3.7	25.9	6.0	550	650	750	637	335	169	.416
0 PSI	4	3.7	25.7	6.0	600	650	700	637	420	216	.416
Bar)	5	3.9	25.8	5.6	600	650	600	604	490	254	.394
	6	4.1	26.6	5.9	625	575	400	575	550	290	.375
	7	4.5	27.5	4.9	650	500	400	529	605	319	.342
	8	4.8	28.6	4.6	600	500	350	491	650	344	.320
	9	4.9	29.3	4.5	600	500	350	481	685	372	.314
	10	5.1	30.4	4.3	600	500	350	462	720	390	.301
	11	5.2	30.4	4.2	600	450	300	453	745	404	.296
	12	5.4	31.0	4.1	600	450	300	436	765	414	.285
	13	4.9	29.6	4.5	600	500	300	481	780	421	.314
	14	4.8	28.9	4.6	600	500	300	491	800	431	.320
	15	4.7	28.8	4.7	600	500	300	501	810	436	.327
covery	1	3.8	25.7	5.8	550	650	500	620	572	300	.405
Km/h	2	3.5	23.7	6.3	600	700	550	674	482	250	.440
4 RPM	3	3.3	22.6	6.7	650	700	725	714	392	200	.466
d. Press.	4	3.2	21.8	6.9	700	750	800	757	302	150	.481
0 PSI	5	3.2	21.9	6.9	700	750	800	737	212	100	.981
0 Bar)											

MMENTS: Note: Cooling Air Blower on at 200 FT/MIN velocity to remove brake dust all stops except where full cooling air is required

ST CONDUCTED BY: J. Weiss DATE RUN: 1-15-79

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