

VEHICLE EQUIPMENT SAFETY COMMISSION (VESC)
REGULATION V-3
MINIMUM REQUIREMENTS AND UNIFORM TEST PROCEDURES
FOR MOTOR VEHICLE BRAKE LININGS
BRAKE LINING TEST REPORT

Manufacturer: Xtender Automotive Corp. Distributor: International Motor Products, Inc
CHINA USA

Identification Markings: XBP SEVERE DUTY-FF

SUMMARY OF RESULTS FROM DATA SHEET

Normal Friction Coefficient = Average of "N" values 0.401
(Shall be over 0.25) Class F

Hot Friction Coefficient = Average of "H" values 0.357
(Shall be over 0.15) Class F

<u>Class Code</u>	<u>Coefficient of Friction</u>
C	Not Over 0.15
D	Over 0.15 But Not Over 0.25
E	Over 0.25 But Not Over 0.35
F	Over 0.35 But Not Over 0.45
G	Over 0.45 But Not Over 0.55
H	Over 0.55

Lowest Coefficient for readings marked (*) 0.300
(Shall not be less than 0.15)

Maximum absolute variation below average for readings marked (*) 0.060
(Shall not exceed 0.050 unless percentage variation is 20% or less)

Maximum percentage variation for readings marked (*) exceeding 0.050 below average 14.63%

I certify that the above results were obtained on tests conducted in accordance with Vehicle Equipment Safety Commission Regulation V-3 on a five sample lot from the linings submitted by the manufacturer as being representative of those regularly manufactured and marketed by him.

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Original retained on file at
Greening Testing Laboratories, Inc.



Date: 02 June 2016

Signature: _____

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VEHICLE EQUIPMENT SAFETY COMMISSION (VESC) REGULATION V-3 DATA SHEET

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FRICITION COEFFICIENT (μ)							
Test No.	M22-518-17	M22-518-18	M22-519-18	M22-519-19	M22-519-20	Average	Maximum Variation Below Average
Test Date	22 May 16	22 May 16	01 Jun 16	01 Jun 16	02 Jun 16		
First Baseline Run							
Appl. No.							
1	0.32	0.31	0.30	0.31	0.49	0.346	
20	0.35	0.33	0.31	0.38	0.53	0.380	
First Fade Run							
Temp (°F)							
200	0.35	0.33	0.31	0.40	0.55	0.388	
550	0.30	0.31	0.28	0.30	0.47	0.332	
Min at 550°F	6.2	6.4	6.5	5.2	4.6		
°F at 10 min	--	--	--	--	--		
First Recovery Run							
Temp. (°F)							
500	0.30	0.31	0.28	0.32	0.53	0.348	
400	0.31	0.31	0.29	0.34	0.53	H 0.356	
300	0.32	0.31	0.30	0.38	0.51	H 0.364	
200	0.33	0.32	0.30	0.34	0.49	0.356	
Wear Run							
Appl. No.							
1	0.33	0.31	0.31	0.36	0.50	0.362	
100	0.40	0.38	0.38	0.36	0.48	0.400	
Second Fade Run							
Temp. (°F)							
200	* 0.34	* 0.41	* 0.39	* 0.35	* 0.41	N 0.380	0.040
250	* 0.37	* 0.41	* 0.35	* 0.48	* 0.44	N 0.410	0.060 14.63%
300	* 0.38	* 0.36	* 0.36	* 0.48	* 0.49	N 0.414	0.054 13.04%
400	* 0.39	* 0.35	* 0.35	* 0.40	* 0.50	N 0.398	0.048
450	* 0.38	* 0.34	* 0.35	* 0.37	* 0.51	H 0.390	0.050
500	* 0.38	* 0.34	* 0.34	* 0.34	* 0.47	H 0.374	0.034
550	* 0.38	* 0.33	* 0.32	* 0.31	* 0.46	H 0.360	0.050
600	0.37	0.33	0.31	0.28	0.45	H 0.348	
650	0.36	0.32	0.31	0.27	0.41	H 0.334	
Min at 650°F	7.5	8.8	8.3	8.1	6.7		
°F at 10 min	--	--	--	--	--		
Second Recovery Run							
Temp. (°F)							
600	0.40	0.33	0.34	0.29	0.44	0.360	
500	0.39	0.31	0.32	0.28	0.45	H 0.350	
400	0.37	0.31	0.31	0.30	0.45	H 0.348	
300	* 0.36	* 0.30	* 0.30	* 0.33	* 0.42	H 0.342	0.042
200	* 0.35	* 0.31	* 0.30	* 0.32	* 0.40	0.336	0.036
Second Baseline Run							
Appl. No.							
1	0.35	0.31	0.30	0.32	0.42	0.340	
20	0.39	0.35	0.32	0.28	0.47	0.362	



VEHICLE EQUIPMENT SAFETY COMMISSION (VESC) REGULATION V-3 AVERAGE DATA GRAPH

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