



Automotive & Powersports **THE FACTS ABOUT YOUR INTAKE & AIR**

ISO 5011 Tested to Make Sure You Maximize Airflow While Still Protecting Your Engine.

Part Number: 75-5062, 75-5062D
Description: Performance Intake Kit & Filter
Vehicle Applications: 1998-2003 Ford Powerstroke 7.3L

Test Date: 03/21/18
Test Report #: 1, 2, 3, 4, 5, 6

TECHNICAL BULLETIN

There is a lot of misinformation in the marketplace. S&B publishes specific test results for each of our intakes & filters as shown below, so you can make an informed decision. Remember, improving your airflow is only good if your engine is still protected. That's the S&B difference!

FACT: S&B Flows 53.66% Better than Stock

In tests performed in our climate controlled laboratory according to the ISO5011 Test Standard, S&B's intake kit (and filter) had significantly lower restriction (better airflow) than the stock intake system. See the graph on the next page.

WATCH OUT: Some competitors over state airflow.

If they state that their filter will flow, lets say 1000 cfm, without stating at what restriction level, they are trying to mislead you.

Description	% S&B Flowed Better than Stock (tested @ 631 cfm)
S&B Intake w/ Cleanable Filter	53.66%
S&B Intake w/ Dry Filter	51.43%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	631 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13228C
Dust Feed Rate (grams/minute)	17.87

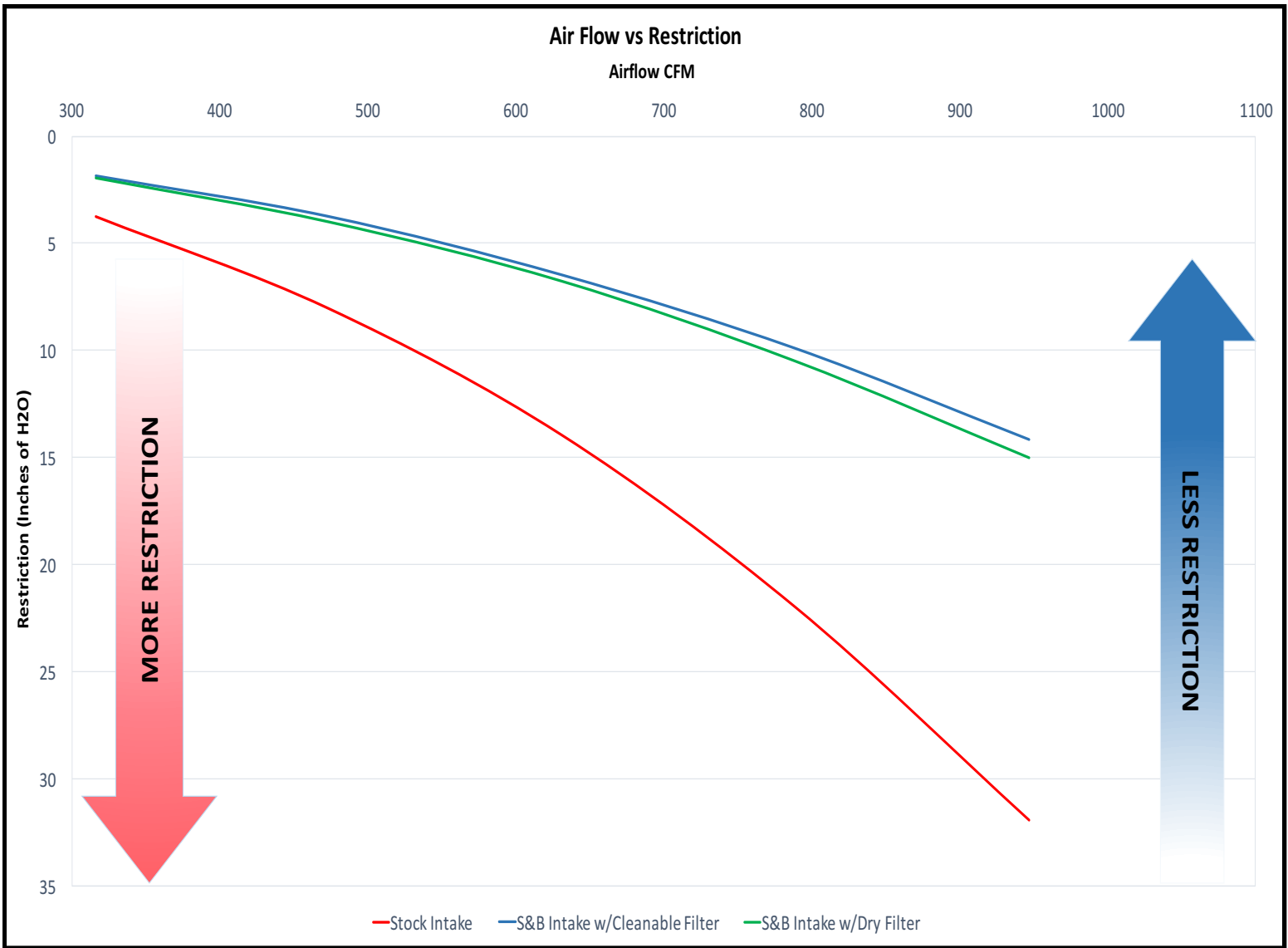
FACT: S&B Protects Your Engine

S&B tests at the highest rated CFM for your vehicle when determining the efficiency rate (amount of dust the filter stops), so that we can be sure that your engine will be protected.

Description	Efficiency Rate (tested @ 631 cfm)
Stock	99.67%
S&B Intake w/ Cleanable Filter	99.37%
S&B Intake w/ Dry Filter	99.68%

WATCH OUT: Some Competitors Use the Same Efficiency Rates for Multiple Part Numbers.

Many send one filter off to a lab to be tested at a low cfm and then publish this efficiency rate for all of their part numbers.



Air Filter Restriction Test Report

Test #: 399
Sample #: 1
Filter #: FA1680
Housing #:
Date Code:

Operator: SD
Report Date: 3/21/2017
Filter Mfg.:
Housing Mfg.:



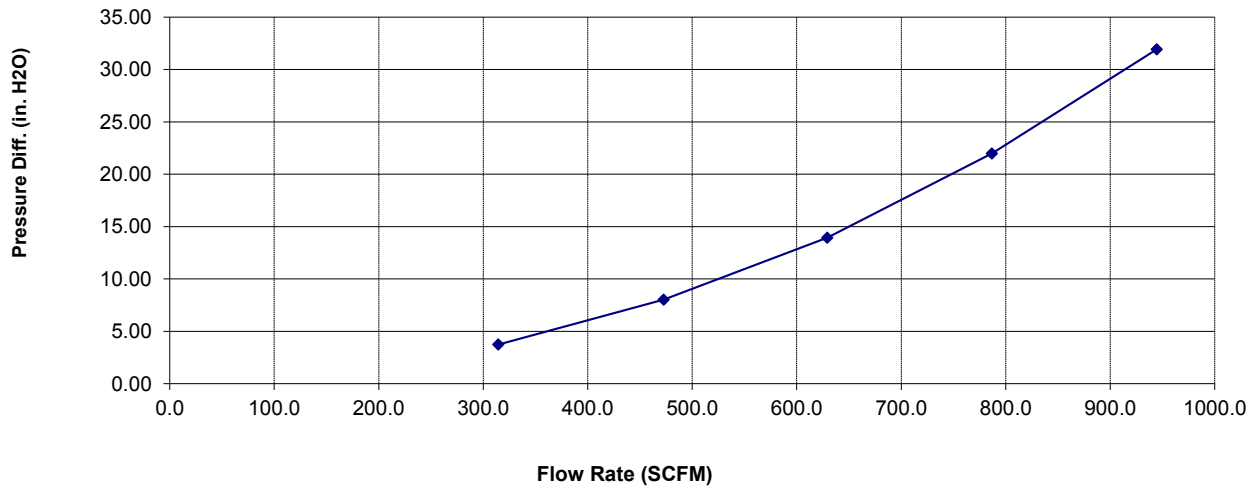
Test Description: STOCK INTAKE AND FILTER, NO SENSORS, NO FILTER MINDER, MOTORCRAFT# FA1680

Test Conditions

Barometric Pressure: 28.95804 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 50 %
Temperature: 65 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
315	3.74
473	8.02
629	13.94
787	21.98
944	31.92

Air Filter Restriction Test Report

Test #: 399
Sample #: 3
Filter #: KF-1059
Housing #: 75-5062
Date Code:

Operator: SD
Report Date: 3/21/2017
Filter Mfg.:
Housing Mfg.:



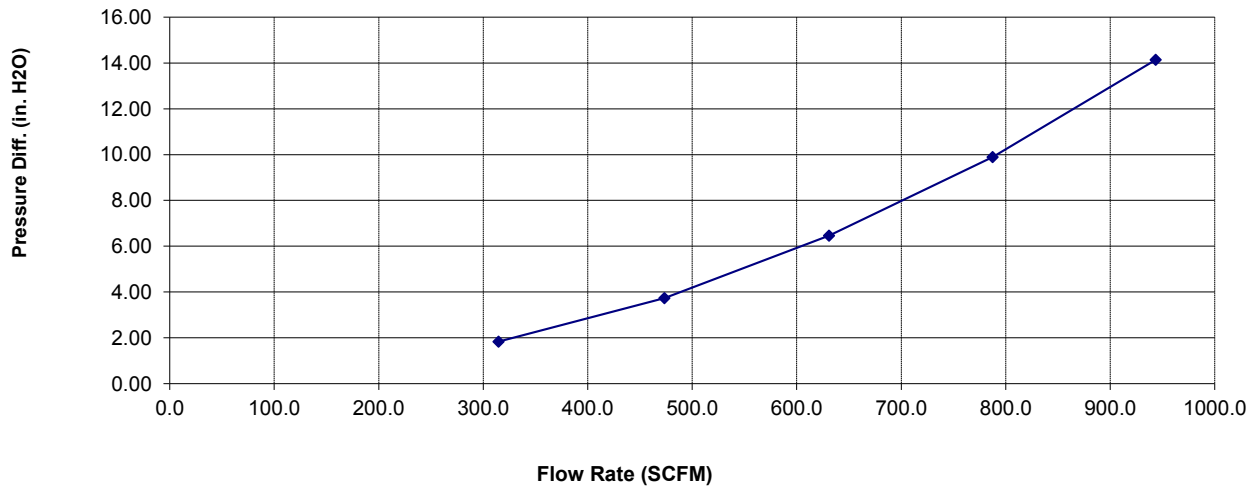
Test Description: 75-5062 PRODUCTION KIT, NO SENSORS NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED
KF-1059

Test Conditions

Barometric Pressure: 28.9595 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 47 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
315	1.84
474	3.73
631	6.46
788	9.89
944	14.14

Air Filter Restriction Test Report

Test #: 339
Sample #: 4
Filter #: KF-1059
Housing #: 75-5062
Date Code:

Operator: SD
Report Date: 3/21/2017
Filter Mfg.:
Housing Mfg.:



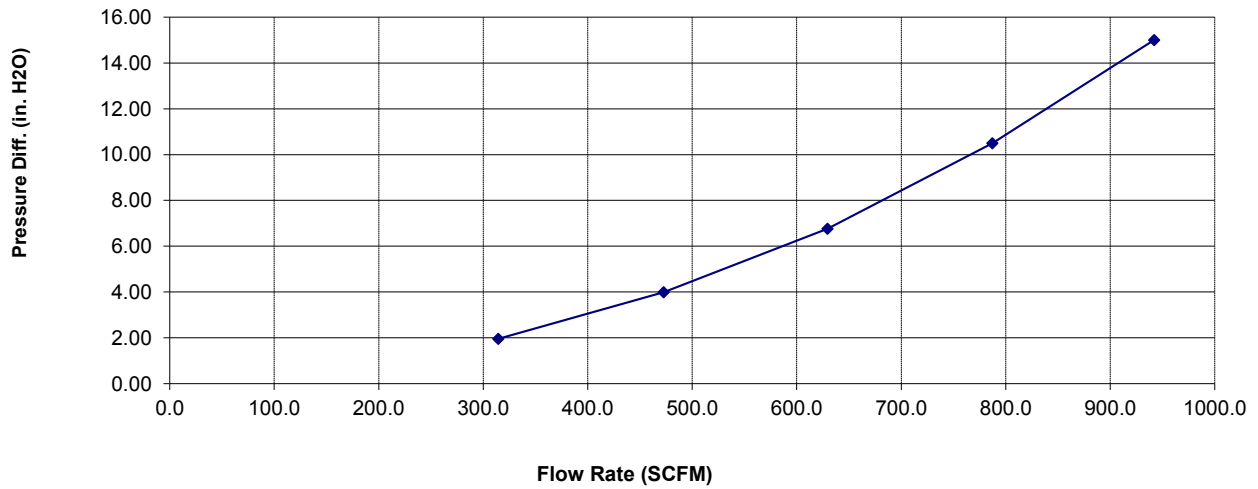
Test Description: 75-5062 PRODUCTION KIT, NO SENSORS, NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED
KF-1059D

Test Conditions

Barometric Pressure: 28.96146 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 48 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
314	1.96
473	4.00
630	6.77
787	10.50
942	15.00

Air Filter Full Life Efficiency Test Report

Test #: 399
Sample #: 2
Filter #: FA1680
Housing #:
Date Code:

Operator: SD
Report Date: 3/21/2017
Filter Mfg.:
Housing Mfg.:

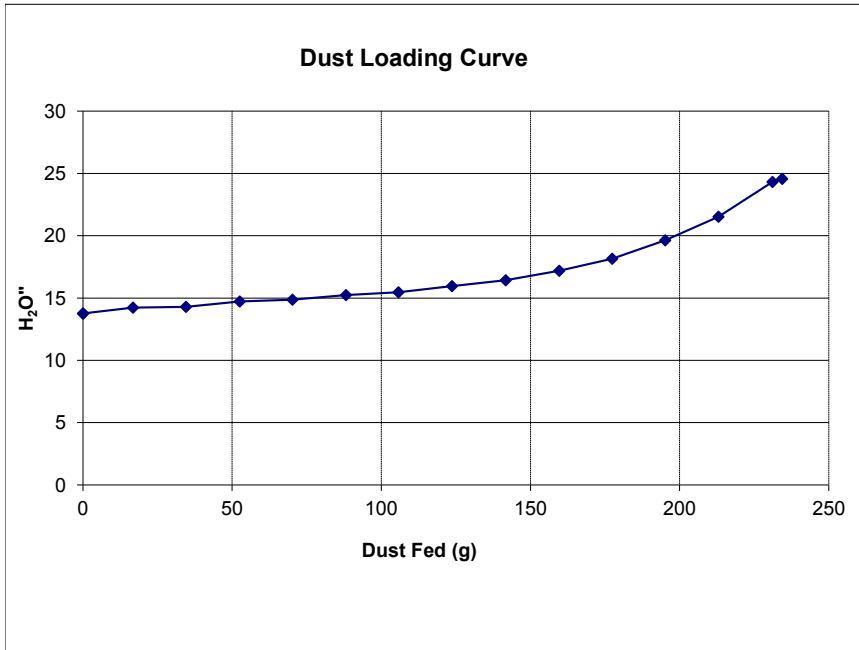


Test Description: STOCK INTAKE AND FILTER, NO SENSORS, NO FILTER MINDER, MOTORCRAFT# FA1680

Test Conditions			
Barometric Pressure:	28.960 in. Hg	Relative Humidity:	48 %
Air Flow Setpoint:	631 SCFM	Type of Dust:	A4 COARSE
Test Procedure:		Batch #:	13228C
Air Flow Type:	SCFM	Temperature:	67 deg. F
Test Endpoint:	10 in. H2O	Initial Add Rate:	NaN g/min
Number of Pleats:		Accumulative Add Rate:	17.87 g/min
Flow Direction:		Pleat Depth:	in.

Test Results																																
Initial Delta P	13.88 in. H2O	Accumulative Capacity:	233.50 g																													
		Test Time:	13.06 min																													
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2" style="text-align: center;">Initial</th> <th colspan="2" style="text-align: center;">Accumulative</th> </tr> <tr> <th style="width: 25%;"></th> <th style="width: 25%;">Blanket</th> <th style="width: 25%;"></th> <th style="width: 25%;">Blanket</th> </tr> </thead> <tbody> <tr> <td>Start</td> <td></td> <td></td> <td style="text-align: right;">5598.60</td> <td style="text-align: right;">175.20</td> </tr> <tr> <td>End</td> <td></td> <td></td> <td style="text-align: right;">5832.10</td> <td style="text-align: right;">175.97</td> </tr> <tr> <td>Gain</td> <td></td> <td></td> <td style="text-align: right;">233.50</td> <td style="text-align: right;">0.77</td> </tr> <tr> <td>Efficiency</td> <td></td> <td></td> <td colspan="2" style="text-align: right;">99.67%</td> </tr> </tbody> </table>			Initial		Accumulative			Blanket		Blanket	Start			5598.60	175.20	End			5832.10	175.97	Gain			233.50	0.77	Efficiency			99.67%	
	Initial		Accumulative																													
		Blanket		Blanket																												
Start			5598.60	175.20																												
End			5832.10	175.97																												
Gain			233.50	0.77																												
Efficiency			99.67%																													

- Standard Restriction
- Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	Pressure ("H2O)
0	13.764
16.772	14.232
34.556	14.298
52.582	14.716
70.195	14.864
88.166	15.234
105.764	15.468
123.671	15.962
141.683	16.424
159.63	17.184
177.439	18.162
195.211	19.643
213.045	21.517
231.095	24.318
234.401	24.566

Air Filter Full Life Efficiency Test Report

Test #: 399
Sample #: 5
Filter #: KF-1059
Housing #: 75-5062
Date Code:

Operator: SD
Report Date: 3/21/2017
Filter Mfg.:
Housing Mfg.:



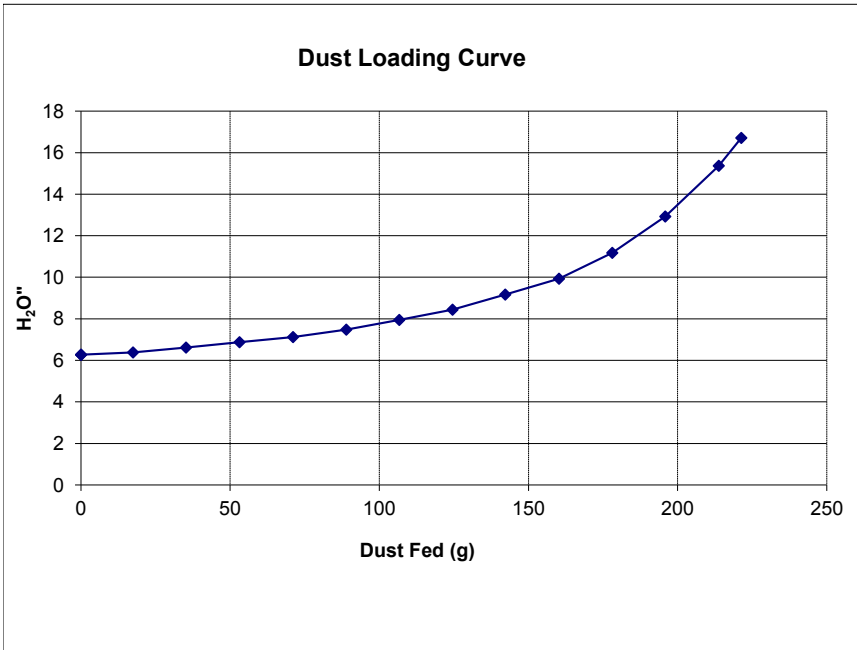
Test Description: 75-5062 PRODUCTION KIT, NO SENSORS, NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED KF-1059

Test Conditions			
Barometric Pressure:	28.967 in. Hg	Relative Humidity:	47 %
Air Flow Setpoint:	631 SCFM	Type of Dust:	A4 COARSE
Test Procedure:		Batch #:	13228C
Air Flow Type:	SCFM	Temperature:	68 deg. F
Test Endpoint:	10 in. H2O	Initial Add Rate:	NaN g/min
Number of Pleats:		Accumulative Add Rate:	17.87 g/min
Flow Direction:		Pleat Depth:	in.

Test Results			
Initial Delta P	6.40 in. H2O	Accumulative Capacity:	220.40 g
		Test Time:	12.44 min

	Initial		Accumulative	
		Blanket		Blanket
Start			6403.30	135.95
End			6623.70	137.35
Gain			220.40	1.40
Efficiency			99.37%	

- Standard Restriction
- Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	Pressure ("H2O)
0	6.272
17.45	6.387
35.176	6.616
53.19	6.87
71.054	7.121
88.894	7.481
106.683	7.944
124.51	8.442
142.267	9.162
160.25	9.932
178.098	11.175
195.829	12.925
213.784	15.373
221.338	16.711

Air Filter Full Life Efficiency Test Report

Test #: 399
Sample #: 6
Filter #: KF-1059D
Housing #: 75-5062
Date Code:

Operator: SD
Report Date: 3/21/2017
Filter Mfg.:
Housing Mfg.:



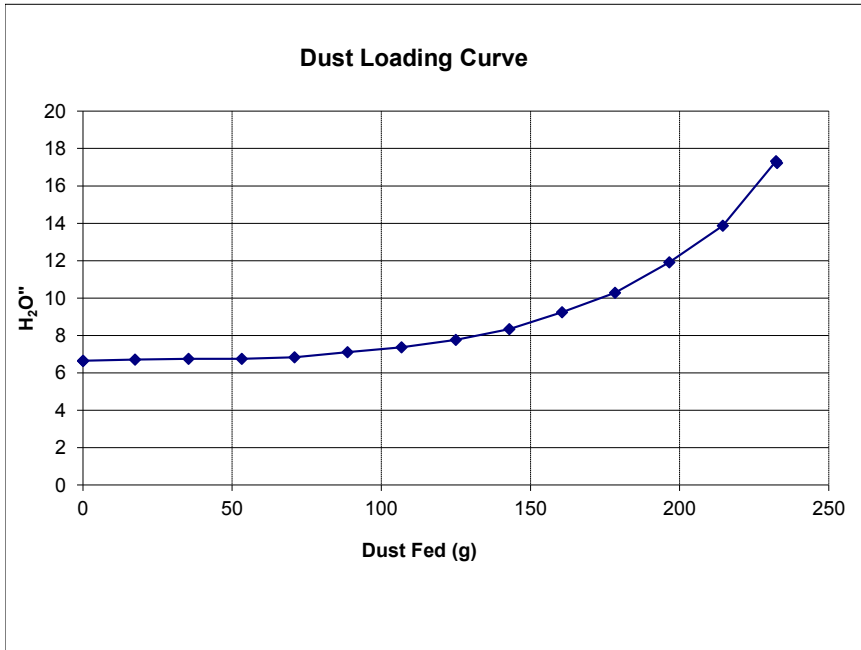
Test Description: 75-5062 PRODUCTION KIT, NO SENSORS, NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED KF-1059D

Test Conditions			
Barometric Pressure:	28.935 in. Hg	Relative Humidity:	47 %
Air Flow Setpoint:	631 SCFM	Type of Dust:	A4 COARSE
Test Procedure:		Batch #:	13228C
Air Flow Type:	SCFM	Temperature:	68 deg. F
Test Endpoint:	10 in. H2O	Initial Add Rate:	NaN g/min
Number of Pleats:		Accumulative Add Rate:	17.87 g/min
Flow Direction:		Pleat Depth:	in.

Test Results			
Initial Delta P	6.72 in. H2O	Accumulative Capacity:	232.00 g
		Test Time:	13.06 min

	Initial		Accumulative	
		Blanket		Blanket
Start			6363.60	137.35
End			6595.60	138.10
Gain			232.00	0.75
Efficiency			99.68%	

- Standard Restriction
- Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	Pressure (in H2O)
0	6.646
17.487	6.708
35.347	6.749
53.224	6.754
70.915	6.835
88.66	7.109
106.785	7.361
124.981	7.758
142.89	8.338
160.586	9.237
178.361	10.278
196.556	11.907
214.509	13.864
232.354	17.326
232.715	17.229



A WARNING

DANGER/POISON

75-2.530
66-2480
99-03 FORD 73L DLX



DANGER
RADIATION HAZARD
Do not touch the source
Do not look directly at the source

PELIGRO
RADIACION PELIGROSA
No tocar la fuente
No mirar directamente a la fuente









