

VISKON-AIRE

Air Filter Products

PAINT ARRESTANCE FILTER TEST REPORT

Spray Removal Efficiency & Paint Holding Capacity

BASED ON 40 CFR PART 63 NATIONAL EMISSION STANDARD

Tested for: **Viskon-Aire**
 Filter Mfr.: **Viskon-Aire**
 Filter Name: **107X**
 Report#./Test#: **R503 T603**
 Report Date: **January 6, 2010**

Test Information

FILTER DESCRIPTION:

Blue Fiberglass on white backing

PAINT DESCRIPTION:

High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)

PAINT SPRAY METHOD:

Conventional Air Gun at 40 PSI

SPRAY FEED RATE:

144 gr./min. **135** cc./min.

AIR VELOCITY:

150 FPM

Test Results

INITIAL PRESSURE DROP of Clean Test Filter

0.02 in. water

FINAL PRESSURE DROP of Loaded Test Filter

0.20 in. water

WEIGHT GAIN on TEST FILTER & Test Frame Trough

3910 grams

PAINT HOLDING CAPACITY of TEST FILTER

1496 grams = **3.3** lbs.

PAINT RUN-OFF

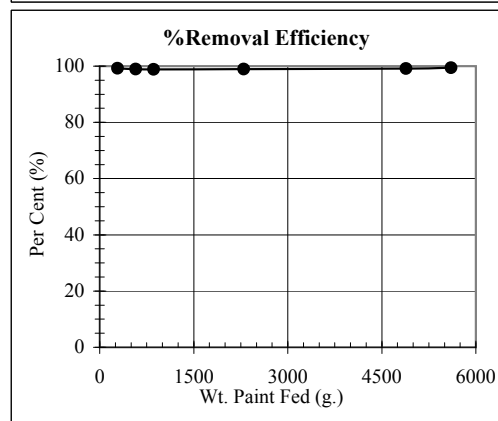
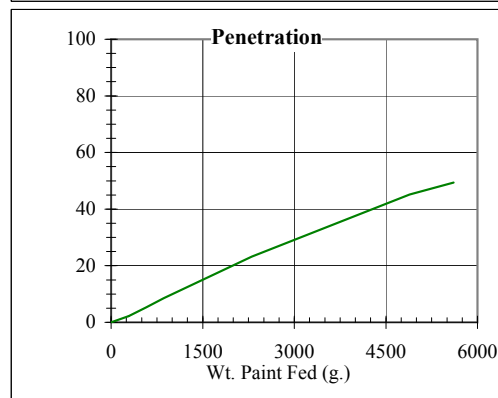
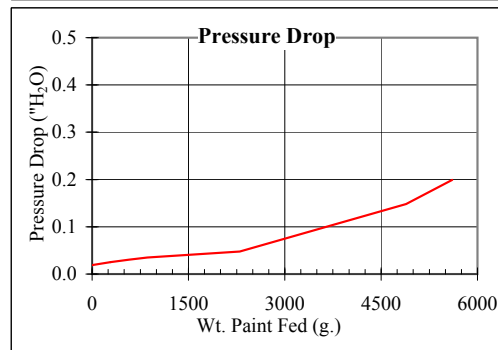
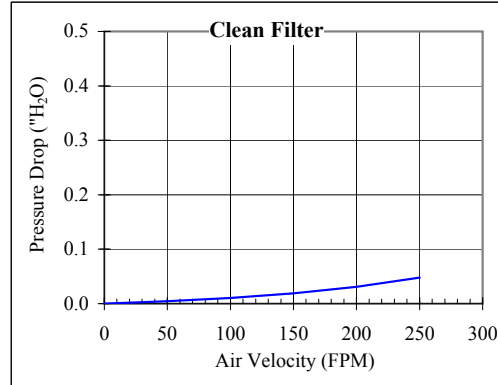
2414 grams

WEIGHT GAIN on FINAL FILTER

49.4 grams = **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

98.75 %



Test Engineer: Todd Kruger

Supervising Engineer: K. C. Kwok, Ph.D.

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Tested for: **Viskon-Aire**
 Filter Mfr.: **Viskon-Aire**
 Filter Name: **PS MEDIA**
 Report#./Test#: **R501 T601**
 Report Date: **January 6, 2010**

Test Information

FILTER DESCRIPTION: (20" X 20")

White poly pad

PAINT DESCRIPTION:

High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)

PAINT SPRAY METHOD:

Conventional Air Gun at 40 PSI

SPRAY FEED RATE:

144 gr./min. **135** cc./min.

AIR VELOCITY:

150 FPM

Test Results

INITIAL PRESSURE DROP of Clean Test Filter

0.04 in. water

FINAL PRESSURE DROP of Loaded Test Filter

0.50 in. water

WEIGHT GAIN on TEST FILTER & Test Frame Trough

1812 grams

PAINT HOLDING CAPACITY of TEST FILTER

1672 grams = **3.7** lbs.

PAINT RUN-OFF

140 grams

WEIGHT GAIN on FINAL FILTER

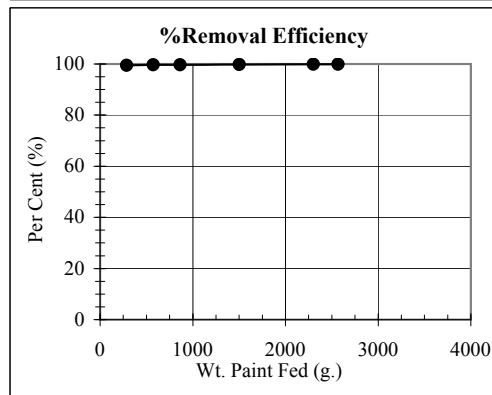
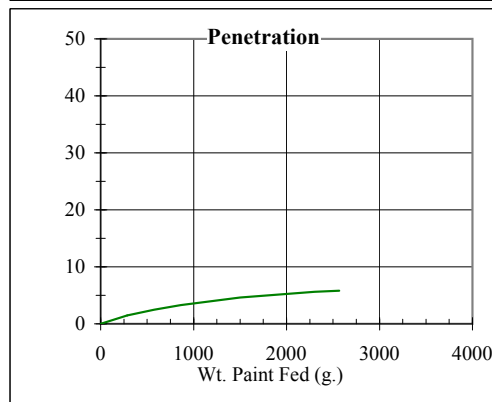
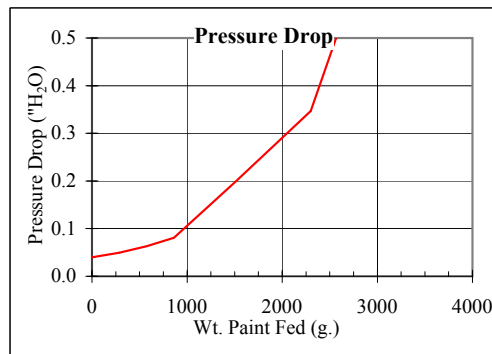
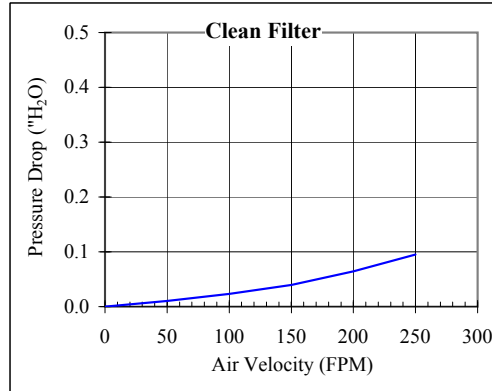
5.8 grams = **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

99.68 %

Test Engineer: Todd Kruger

Supervising Engineer: K. C. Kwok, Ph.D.



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Tested for: **Viskon-Aire**
 Filter Mfr.: **Viskon-Aire**
 Filter Name: **SG-15**
 Report#/Test#: **R504 T604**
 Report Date: **January 6, 2010**

Test Information


FILTER DESCRIPTION: (20" x 20")

 Green Fiberglass on white backing


PAINT DESCRIPTION:

 High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)

PAINT SPRAY METHOD:

 Conventional Air Gun at 40 PSI

SPRAY FEED RATE:

 **144** gr./min. **135** cc./min.

AIR VELOCITY:

 **150** FPM

Test Results

INITIAL PRESSURE DROP of Clean Test Filter

 **0.02** in. water


FINAL PRESSURE DROP of Loaded Test Filter

 **0.06** in. water

WEIGHT GAIN on TEST FILTER & Test Frame Trough

 **3913** grams


PAINT HOLDING CAPACITY of TEST FILTER

 **1619** grams = **3.6** lbs.

PAINT RUN-OFF

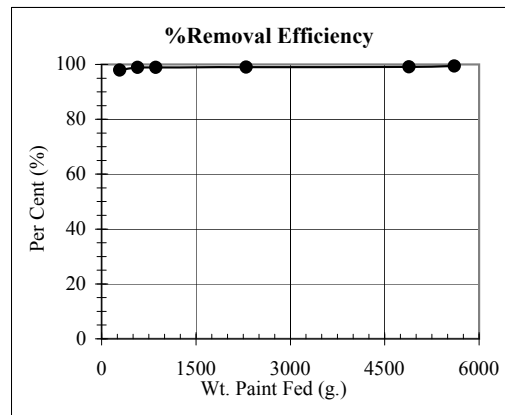
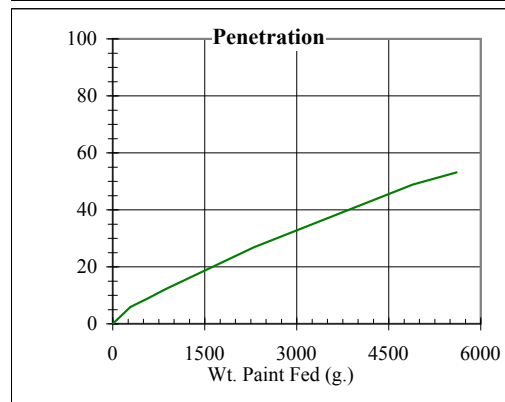
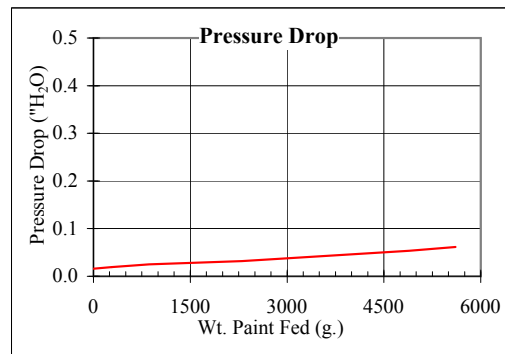
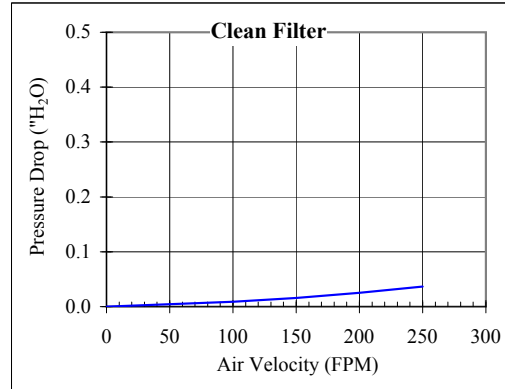
 **2294** grams

WEIGHT GAIN on FINAL FILTER

 **53.1** grams = **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

 **98.66** %



Test Engineer: Todd Kruger

Supervising Engineer: K. C. Kwok, Ph.D.

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Tested for: **Viskon-Aire**
 Filter Mfr.: **Viskon-Aire**
 Filter Name: **XHD**
 Report#/Test#: **R502 T602**
 Report Date: **January 6, 2010**

Test Information

FILTER DESCRIPTION: (20" X 20")

Yellow fiberglass with white backing

PAINT DESCRIPTION:

High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)

PAINT SPRAY METHOD:

Conventional Air Gun at 40 PSI

SPRAY FEED RATE:

144 gr./min. **135** cc./min.

AIR VELOCITY:

150 FPM

Test Results

INITIAL PRESSURE DROP of Clean Test Filter

0.03 in. water

FINAL PRESSURE DROP of Loaded Test Filter

0.09 in. water

WEIGHT GAIN on TEST FILTER & Test Frame Trough

3916 grams

PAINT HOLDING CAPACITY of TEST FILTER

1202 grams = **2.6** lbs.

PAINT RUN-OFF

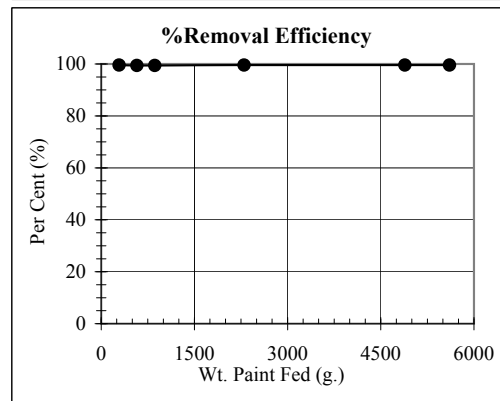
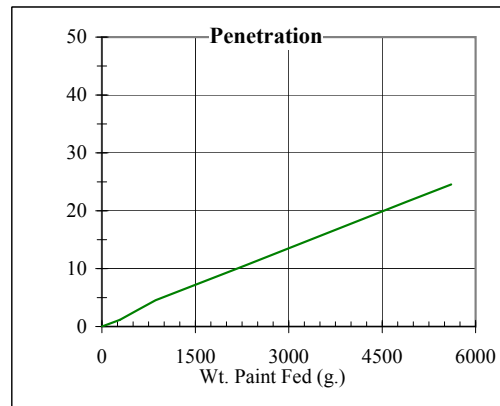
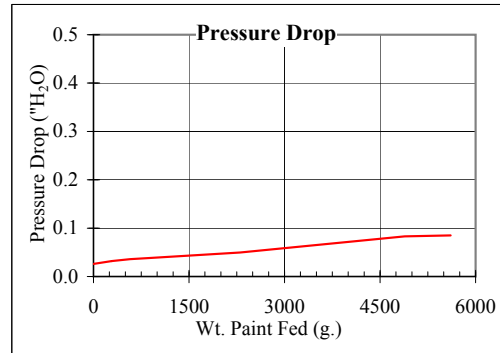
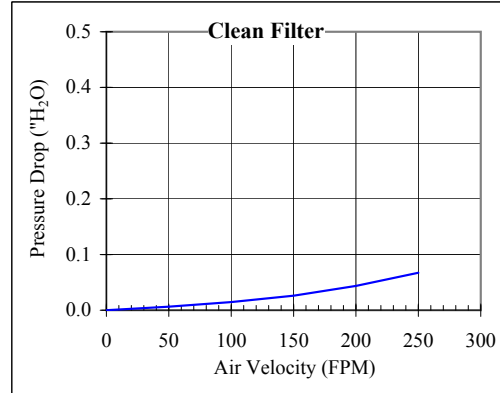
2714 grams

WEIGHT GAIN on FINAL FILTER

24.55 grams = **PENETRATION**

AVERAGE REMOVAL EFFICIENCY of TEST FILTER

99.38 %



Test Engineer: Todd Kruger

Supervising Engineer: K. C. Kwok, Ph.D.