# Diesel Particulate Filter (DPF) - Cleaning History Worksheet

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Date: _____

Filter Style: DPF Catalyst

Serial Number: _____

Part Number: _____

Other Number: _____

Customer: _____

## Manufacturer/Distributor (Circle)

| | | | |
|---|---|---|---|
| Caterpillar | DCL | International | Mack |
| Cleaire | Detroit Diesel | Isuzu | PACCAR |
| Cummins | ECS | Johnson Matthey | Volvo |

Other: _____

Mileage: _____ Vehicle #: _____

Engine: _____ Model: _____

**Filter Dimensions**

OD _____ ID _____

Overall Height _____

Ceramic Height _____

**Pin Gauging**

Depth of a totally clean cell

_____

(Measure from Clean side)

## Step 1 - Visual Inspection

**Refer to Filter Cleaning Reference Data Posters**

**Clean End Color (Circle):** White, Cream, Tan, Gray, Brown, Black, Other:_____

**Dirty End Color (Circle):** White, Cream, Tan, Gray, Brown, Black, Other:_____

**Pin Gauge** clean side to check for melting and note measurements (see grid at right)

| Circle One | | |
|---|---|---|
| **Chips, Gouges, Melting**: | Pass | Fail |
| **Surface Cracks**: | Pass | Fail |
| **Loose Ceramic** (Ceramic moves) : | Pass | Fail |

☐ Red Tag ☐ Continue

**Oil Soaked (circle): Yes No**

**If Yes, then Red Tag.**

FSX does not recommend cleaning oil, coolant, or fuel soaked DPF.

Discoloration Ring: **Yes** or **No** (circle)

**TrapTester** Airflow test _____ **w.g.** (Clean side down no gaskets)

**Initial Black Hole Count** (on clean side) **(est.) (circle)**:

0 5 15 10 20 50 100 100+ 1000+ Other:_____

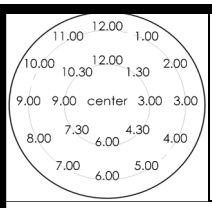
## Step 2 - Pneumatic Stage 1 Cleaning

**2-minute Bypass Inspection;** **Important - Closely watch top surface of the DPF during first 2-minutes of air blast. Count defective cells allowing distinct spurts of ash or soot, and indicate number below.**

**Circle:** 0 1 2 3 4 5 10 15 20 50 100 100+ 1000+

☐ **Red Tag: stop process if over 20 cells have heavy spurts of black, white, or gray particulate blowing out the clean end of the DPF during the first two minutes.**

☐ **Continue: if less than 20 defective cells (spurts) noted.**




Location of target cells to test

## Step 3 - After Pneumatic Cleaning

**TrapBlaster Time** (in minutes) (circle one):

15 20 25 30

40 50 60 Other:_____

**Pin Gauge** dirty side for ash content and note measurement (see grid at right)

**TrapTester** Airflow test _____ **w.g.** (Clean side down no gaskets)
Compare to FSX Baseline Chart

Step 3 Status: ☐ Red Tag ☐ Green Tag-Process Complete ☐ Continue to Thermal

## Step 4 - After Thermal Cleaning

**Important:** Before putting the filter in the TrapBlaster make sure core temp is at or below 125°F

TrapBurner P1 (circle): Yes or No

**TrapBlaster Time** (in minutes) (circle one):

15 20 25 30 40 50 60

Other:_____

**TrapTester** Airflow test _____ **w.g.**
(Clean side down no gaskets)
Compare to FSX Baseline Chart

**Pin Gauge** dirty side for ash content and note measurement (see grid at right)

Final Step 4 status: ☐ Red Tag ☐ Green Tag ☐ Orange Tag

Final comments: _____

_____ Operator's Initials:_____

_____

## Pin Gauge Depth

(Measure available depth from dirty side of filter – tap **lightly** if necessary)

| Position | Clean Side Step 1 | Dirty Side After Pneumatic Step 2 | Dirty Side After Thermal Step 3 |
|---|---|---|---|
| Outer 1:00 | | | |
| Outer 2:00 | X | | |
| Outer 3:00 | X | | |
| Outer 4:00 | X | | |
| Outer 5:00 | | | |
| Outer 6:00 | X | | |
| Outer 7:00 | X | | |
| Outer 8:00 | X | | |
| Outer 9:00 | | | |
| Outer 10:00 | X | | |
| Outer 11:00 | X | | |
| Outer 12:00 | X | | |
| Inner 1:30 | X | | |
| Inner 3:00 | | | |
| Inner 4:30 | X | | |
| Inner 6:00 | X | | |
| Inner 7:30 | | | |
| Inner 9:00 | X | | |
| Inner 10:30 | | | |
| Inner 12:00 | X | | |
| Center | | | |
| Average | X | | |