Valley POWER SYSTEMS, INC.

Valley Power Systems, Inc. (626) 934-6123
Diesel Particulate Filter (DPF) - Cleaning History Worksheet

Date: 6/16/15

Filter Style: DPF (circled) Catalyst

Serial Number: 1244000189251

Part Number: A 680 491 08 94

Other Number: 1608208C21000G

Customer: Armex

Manufacturer/Distributor (Circle)

Caterpillar	DCL	International	Mack
Cleaire	Detroit Diesel (circled)	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 (circled), Tan, Gray, Brown, Black, Other: ____

Dirty End Color (Circle): White, Cream, Tan, Gray, Brown, Black (circled), Other: ____

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

Circle One

Chips, Gouges, Melting:	Pass (circled)	Fail
Surface Cracks:	Pass (circled)	Fail
Loose Ceramic (Ceramic moves):	Pass (circled)	Fail

☐ Red Tag ☑ Continue

Oil Soaked (circle): Yes No (circled)

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 2.0 w.g. (Clean side down no gaskets)

Initial Black Hole Count (on clean side) (est.) (circle): 0 (circled) 5 15 10 20 50 100 100+ 1000+ Other: ____

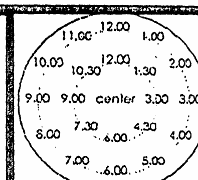
Step 2 - Pneumatic Stage 1 Cleaning

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 (circled) 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 (circled) 50 60 Other:

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

TrapTester Airflow test 1.2 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: Cleaned filter due to carbon buildup

Operator's Initials: MF

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			
Outer 3:00			
Outer 4:00			
Outer 5:00			
Outer 6:00			
Outer 7:00			
Outer 8:00			
Outer 9:00			
Outer 10:00			
Outer 11:00			
Outer 12:00			
Inner 1:30			
Inner 3:00			
Inner 4:30			
Inner 6:00			
Inner 7:30			
Inner 9:00			
Inner 10:30			
Inner 12:00			
Center			
Average			