

# **NEW TECHNOLOGY PRESENTATION**



September 16, 2020 4:15 PM (ET)



# Welcome TMC Participants





### **DPFT**<sub>RAC</sub> is New Technology That Provides "Reliable Answers For Uncertain Times"

**RAVHD**, the owner of **DPFTRAC**, is a leading innovator of technology based solutions focused on providing software and hardware that streamline daily maintenance services for the heavy duty and mid-range commercial trucking industry for the 21st century. DPFTRAC is deployed on the iPad device and on the web. RAVHD is located in Wilmington, California, in the heart of the Port of Los Angeles and Long Beach.



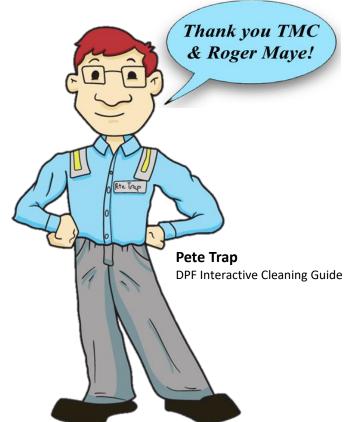


Fernando Varela Chief Executive Officer



Mitch Ward
Chief Information Officer





For any questions about this presentation, please feel free to send them to: info@dpftrackingsystem.com

## **Contents**





- Introduction to DPF*Trac*
- DPFTRAC's Broad Based User Community
- Data Input
  - Key Components iPad and Laptop
  - We Know Your DPF Technicians
  - Part Number Lookup
  - Customer and Vehicle
  - Visual Inspection
  - PIN Testing
- Data Output
  - Forms and Communication
  - Pending and Images
  - Management Tools
- DPF*TRAC* System Summary



## Introduction to DPFTRAC

Diesel Particulate Filter Tracking

**System** 

### Introduction to DPFTRAC

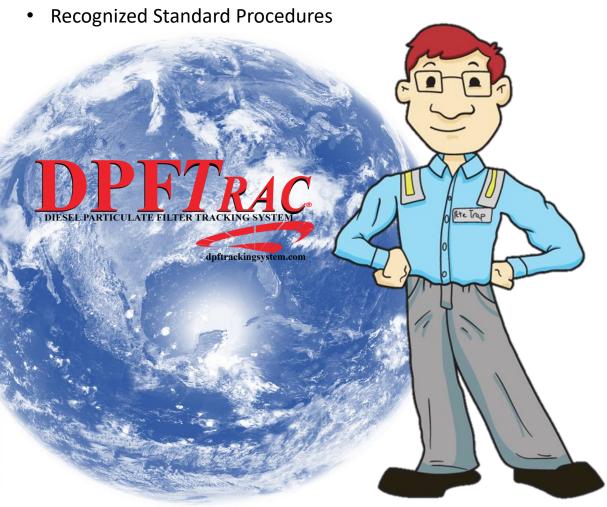
DPFT RACS Broad Based User Community
Data Input
Data Output
DPFT RAC System Summary





- DPFTRAC software application is the world's first DPF [Diesel Particulate Filter] cleaning and tracking program designed for the heavy duty trucking industry
- DPFTRAC uses five standard DPF cleaning phases
  - Visual Inspections
  - PIN Testing
  - Bypass Detection
  - After Pneumatic Cleaning
  - After Thermal Cleaning

- Processed 15,000 DPF's in the United States and Canada
- Industry Proven



### DPFTRAC's Broad Based User Community

Data Input
Data Output
DPFTRAC System Summary

# DPFTRAC's Broad Based User Community







DPFTRAC Does Not Clean Your Diesel Particulate Filter. DPFTRAC Helps The People That Clean Your DPF Do It Better











































































5

DPFTRAC System Summary

# Key Components – iPad and Web Based

Reliable Answers For Uncertain Times





- DPFTRAC electronically accepts DPF observed data (PIN testing, visual inspection, weight, etc.) as input
- DPFTRAC contains a huge built-in database of pressure ranges corresponding to each DPF part number within the database
- DPFTRAC automatically determines a DPF's condition:
  - Red tagged (not recommended for production)
  - Green tagged (good for production)
  - Orange tagged (acceptable for production)
- DPFTRAC means No More Messy Paper Forms
  - Email the DPF cleaning history worksheet (PDF)
  - Text message the customer a work order's detail
  - Print DPFTRAC's completed documents (wirelessly)
- DPFTRAC software promotes social distancing, "reliable answers for uncertain times."
  - Electronic processing
  - No direct interaction required (email and text communication)

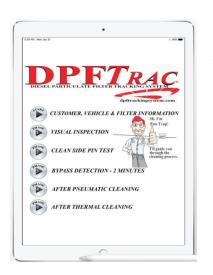


# Key Components – iPad and Web Based





DPFTRAC Accessible on iPads, PCs, Macintosh, Android and All Other Internet-Connected Devices









### DPFTRAC Web Mirrors the DPFTRAC iPad Software in All Five Phases









**DPF Baseline Estimator Tool** 

Shown Above: Three of the Five Phases

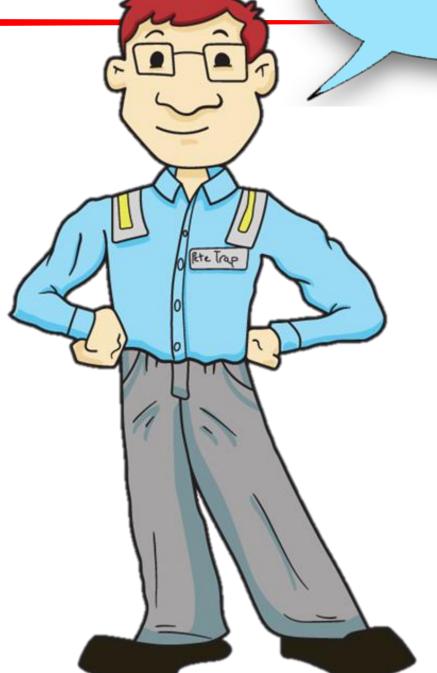
### Data Input

Data Output

DPFTRAC System Summary



OK, let's get started.



For any questions about this presentation, please feel free to send them to:

info@dpftrackingsystem.com

Reliable Answers For Uncertain Times

DPF7RA
DIESEL PARTICULATE FILTER TRACKING SYST



Reliable Answers For Uncertain Times

Data Input

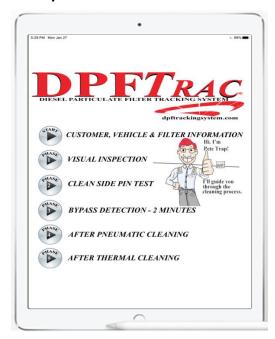
DPFTRAC System Summary

## We Know Your DPF Technicians





- DPF Technical Staff are tuned into the digital world and smart devices
- DPFTRAC allows the Technician to inspect, diagnose and clean the DPF in a step-by-step standardized five-phase process
- DPFTRAC is the digital tool that can help your staff clean your DPF consistently and properly every time





DPFTRAC System Summary

# Part Number Lookup







Physically Locate Your Part Number on the DPF





All DPF testing measurements will be automatically populated on the DPFTRAC screen and on the DPF Cleaning History Worksheet.

## Digitally Locate Your Part Number Within the DPFTRAC Database



https://www.dpftrackingsystem.com/how-to-locate-a-dpf-part-number/

# Customer and Vehicle

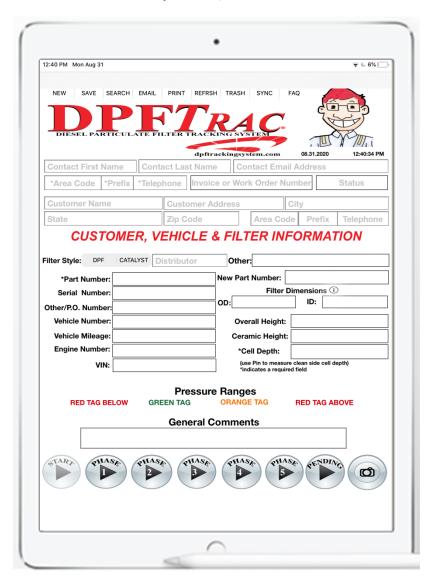
Reliable Answers For Uncertain Times





- Enter Identifying Customer Information (only Telephone Number is required)
- **Enter Internal Work Order Number (optional)**
- Enter Internal Purchase Order (optional)
- Enter Vehicle Information Multiple Fields (optional)
- Enter Email Address (optional)





#### Data Input Data Output

DPFTRAC System Summary

# Visual Inspection

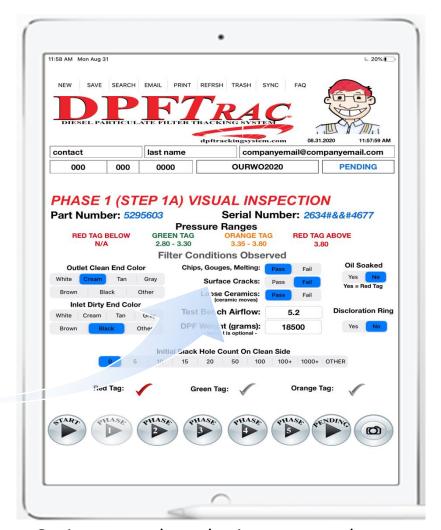




### Filter Conditions Observed

- **Outlet Clean End Color**
- **Inlet Dirty End Color**
- Chips, Gouges, Melting
- Surface cracks
- Oil Soaked
- **Loose Ceramics**
- **Initial Airflow**
- DPF Pre-clean weight (optional)
- Initial black hole count (on DPF clean side)
- Discoloration of rings





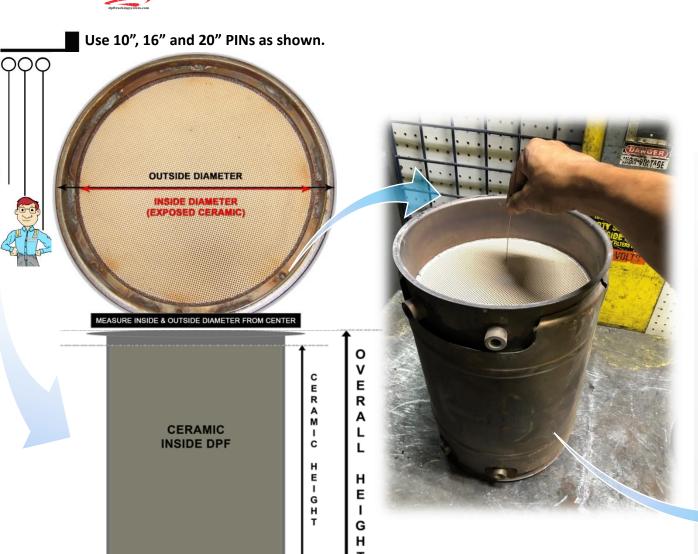
Options are selected using easy touch button features that work well even while wearing protective gloves.

DPFTRAC System Summary

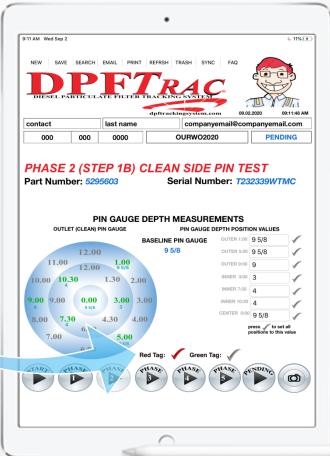
# PIN Testing







DPFTRAC uses PIN Cell Depth and other parameters to determine Red, Green, Orange Tagged Filters.



Note: DPFTRAC uses PIN testing to determine the condition of a DPF. However, DPF Technicians have an option to enter DPF weight throughout the cleaning process.

dpftrackingsystem.com

## Forms and Communication

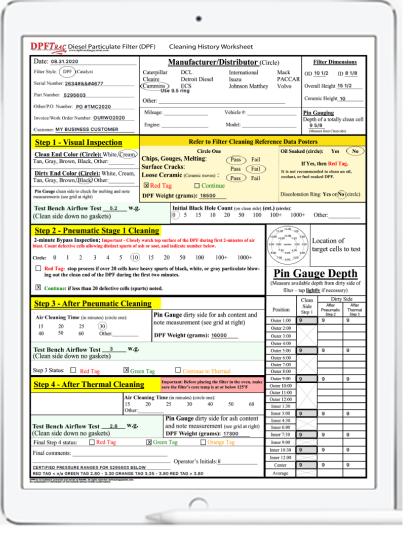




The DPF Cleaning History Worksheet is generated as a PDF that DPFTRAC can email, wirelessly print

or text message to customers and management.





The DPF Cleaning History Worksheet was originally created by FSX, Inc. and modified for digital format

### Introduction to DPFTRAC DPFTRAC's Broad Based User Community Data Output

DPFTRAC System Summary

# Pending and Images





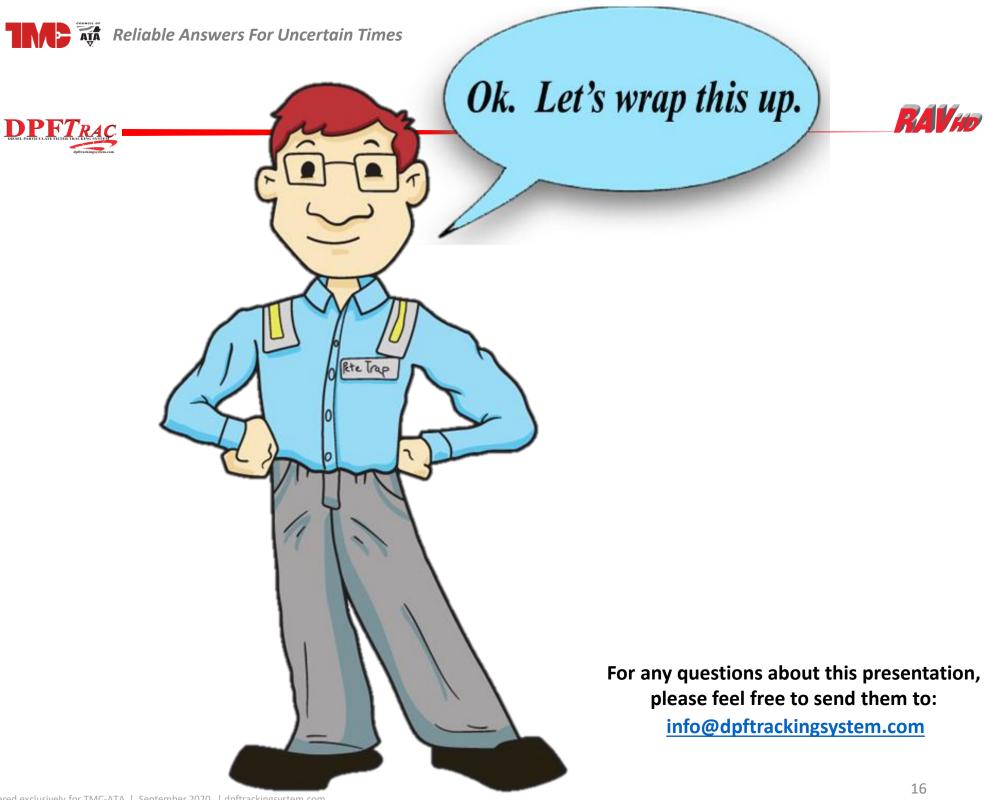
## DPFTRAC provides quick access to view Pending Work Orders



## Up to five DPF images can be attached to each Work Order



DPF Image optional add-on feature



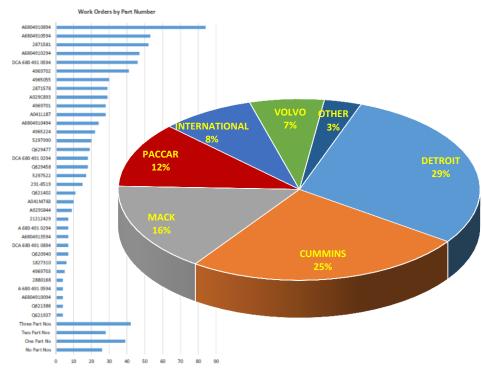
# Management Tools





- Realtime Forecasting and Reporting
- Downloadable on Demand
- Transmittable to Accounting and Customer Relations Management (CRM) Systems

WORK ORDER NUMBER	WORK ORDER STATUS	PART NUMBER	SERIAL NUMBER	MANUFACTURER	PRESSURE RANGE BEFORE CLEANING	PRESSURE RANGE AFTER CLEANING	PHASE1 STATUS	PHASE2 STATUS	PHASE3 STATUS	PHASE4 STATUS	PHASES
WO-20170308100018	CLOSED	A0295844		Paccar			PASS				GREEN
VO-20170308102504	CLOSED	A041M783		Cummins w/gap			PASS	RED			RED
WO-20170308092952	PENDING	A0295844		Paccar			PASS				RED
VO-20170308123811	PENDING	Q621937	4969702	Cummins w/gap			PASS	RED			
WO-20170308121031	PENDING	Q621937	4969702	Cummins			PASS				
NO-20170308124347	PENDING	4969702		Cummins w/gap			PASS				
WO-20170308125008	CLOSED	291-8519	740c070088004	Caterpillar			PASS				GREEN
VO-20170308123836	PENDING	4969702		Cummins w/gap			PASS				
WO-20170308112744	PENDING	Q629477	2871582	Cummins w/gap			PASS	GREEN			
WO-20170308111404	PENDING	2871578		Cummins			PASS				
WO-20170308104024	PENDING			Cummins							
WO-20170308111313	PENDING	2871578		Cummins			PASS				
VO-20170308084128	PENDING	DCA 680 491 059	shm063872	Detroit			PASS				
WO-20170309081739	PENDING	2871581	Q629477	Cummins			PASS	GREEN			
WO-20161026121210	PENDING	Q102905		Cummins			PASS	GREEN			
VO-20170309081257	PENDING	O620940	4965055	Cummins w/gap			PASS				
WO-20161026022941	PENDING	Q629458		Cummins			PASS				
VO-20170309101657	CLOSED	DCA 680 491 059	4	Detroit			PASS				RED
WO-20161026021251	PENDING	A041L187	5297522	Cummins			PASS				GREEN
VO-20170309102939	PENDING	O620940	4965055	Cummins w/gap			PASS	GREEN			GREEN
VO-20170310105924	PENDING	DCA 680 491 059	SHM132604	Detroit			PASS	RED			
VO-20170309021155	PENDING	9199M		Johnson Matthey			PASS	RED			
VO-20170310102026	PENDING	291-8519	7400070088004				PASS	GREEN			GREEN
WO-20170310105333	PENDING	DCA 680 491 059		Detroit							
WO-20170321030428	PENDING	DCA 680 491 029		Detroit			PASS		GREEN	GREEN	
WO-20170316031137	PENDING	A6804910894		Detroit Diesel			PASS	GREEN			
VO-20170317084253	PENDING	DCA 680 491 029	4	Detroit			PASS	RED		GREEN	
WO-20170317090259	CLOSED	O629477	2871581	Cummins			PASS	GREEN		GREEN	GREEN
WO-20170317022121	CLOSED	291-8519	740C14205C00				PASS			GREEN	GREEN
VO-20170317125746	CLOSED	4969701	0621936	Cummins w/gap			PASS		GREEN	GREEN	GREEN
VO-20170317115448	CLOSED	A6804910094	QUELISTO	Detroit Diesel			PASS	RED	RED	RED	RED
VO-20170317021955	USERDELETED	DCA 680 491 0294		Detroit			7,00	NED	RED	GREEN	RED
WO-20170317021723	USERDELETED	291-8519	740C14205C00				PASS			GREEN	_
VO-20170317021723	CLOSED	4969702	0621937	Cummins w/gap			PASS	GREEN	GREEN	GREEN	GREEN
WO-20170317022603	PENDING	2871578	Q629458	Cummins w/gap			PASS	CALLIT	CALLIT	GREEN	UNLLIN
WO-20170317022605	CLOSED	2871578	Q629458	Cummins			PASS			GREEN	GREEN
WO-20170317025842	PENDING	A6804910894	QUE J-JO	Detroit Diesel			PASS	GREEN	RED	GREEN	OHLLIN
VO-20170317023842	CLOSED	A6804910894		Detroit Diesel			PASS	GREEN	GREEN	GREEN	GREEN
WO-20170317031232	PENDING	A6804910894 A6804910894		Detroit Diesel			PASS	RED	RED	GREEN	GREEN
VO-20170317032105	PENDING	A6804910894		Detroit Diesel			PASS	RED	RED	ORANGE	
VO-20170317032103	CLOSED	A041L187	5297522	Cummins			PASS	NEU	KED	GREEN	GREEN
VO-20170317101710 VO-20170317033616	CLOSED	A6804910894	JESTJEE	Detroit Diesel			PASS	GREEN	GREEN	GREEN	GREEN
VO-20170317033616 VO-20170318012501	PENDING	21212429	30892	Mark			PASS	GALLIN	GREEN	GREEN	GREEN
WO-20170318012501 WO-20170318012927	CLOSED	A041L187	5297522	Cummins			PASS	RFD	RED	GREEN	RED
VO-20170318012927	PENDING	21212429	30892	Mack			FA33	NEU	GREEN	GREEN	NEU
			30092				DACC	CREEN		OBSERV	
WO-20170320120625 WO-20170320125452	PENDING PENDING	A6804910894 A6804910894		Detroit Diesel Detroit Diesel			PASS	GREEN	GREEN	GREEN	_
NO-201/0320125452	PENDING	A6804910894 A041L187	5297522	Detroit Diesel			PASS	GREEN	GREEN	GKEEN	



Introduction to DPFTRAC
DPFTRAC's Broad Based User Community
Data Input
Data Output

DPFTRAC System Summary

# DPFTrac System Summary





- Industry Standardized Step-by-Step DPF Cleaning Process
- Parts Number Database with Pressure Ranges
- Automatic Green/Orange/Red Tags
- Email and Text Messaging Capability
- Cloud Based Storage Backup
- Elimination of Messy Paper Forms



Thank You TMC and Roger Maye!



### "Reliable Answers For Uncertain Times"





For any questions about this presentation, please feel free to send them to: <a href="mailto:info@dpftrackingsystem.com">info@dpftrackingsystem.com</a>
You can contact Fernando Varela directly at 310-650-2753