



**VERMONT FORENSIC LABORATORY**

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**DATAMASTER TECHNICAL SUPPORT INQUIRY**

Agency/Site: <u>Morristown PD</u>	DataMaster Serial #: <u>100134</u>
Date: <u>10/29/2012</u>	Requestor: <u>Michael Reeve</u>
Instrument Supervisor: <u>Michael Reeve</u>	Phone #: <u>(802) 888-4211</u>
Taken By: <u>Trisha Conti</u>	
Problem: Filter wheel error message during DUI subject test and diagnostic. _____ _____ _____	
Laboratory Response: Will investigate in the field. _____ _____	
Work Performed: When informed of the error message during a subject test, the DMT supervisor followed the protocol outlined in the Supervisor Manual by powering off the instrument and running a diagnostic check. The diagnostic produced the same filter wheel error message. Opened instrument cover to inspect the filter wheel. Found filter wheel pin solenoid not fully retracted and preventing the filter wheel from moving. Solenoid spring was "bound" so manually moved the pin in and out to loosen. Ran 25 filter cycles to test for proper operation. Re-ran a diagnostic check; all within specifications with no errors. Instrument is back in service. _____ _____	
<input checked="" type="checkbox"/> On Site <input type="checkbox"/> In-house	Attachments: <u>5</u> pages
Performed By: <u>Robert Driscoll</u> <i>RD</i>	Date: <u>10/29/12</u>
Final Review: <u>[Signature]</u>	Date: <u>10/29/2012</u>

## Conti, Trisha

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**From:** Conti, Trisha  
**Sent:** Monday, October 29, 2012 7:58 AM  
**To:** Reeve, Michael  
**Subject:** RE: Morristown PD DMT

Good Morning Michael,

Rob Driscoll is on his way to Morristown PD to take a look at your instrument.

Thanks for the heads up,  
Trisha

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Trisha L. Conti, Ph.D.

Senior Forensic Chemist  
Alcohol Program Supervisor  
Vermont Forensic Laboratory  
(802) 241-5436 (desk)  
(802) 585-6629 (cell)  
[trisha.conti@state.vt.us](mailto:trisha.conti@state.vt.us)

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**From:** Reeve, Michael  
**Sent:** Sunday, October 28, 2012 11:22 PM  
**To:** Conti, Trisha  
**Subject:** Morristown PD DMT

Trisha,

On October 26, 2012 I did the RPC on the Morristown PD DMT. At that time everything worked correctly. Later that evening I even processed a DUI subject on the machine again no issues. About thirty minutes later VSP tried processing a DUI subject and received a filter wheel error message. I went through the steps in the supervisor manual and when I ran a diagnostic check I received the same error message.

Please let me know what your wishes are.

Thanks

Michael Reeve  
Corporal  
Morristown Police Department  
Phone: 802-888-4211  
Fax: 802-888-4044



DUI SUBJECT TEST

STATE OF VERMONT

DataMater DMT: 100134  
Location: Morristown PD  
Certification Date: 01/31/2012  
Installation Date: 02/09/2012

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Date: 10/27/2012  
Time: 00:39:19

SUBJECT NAME:  
DANIEL J FAGNANT  
DOB: 01/05/1973 AGE: 39  
GENDER: M  
LICENSE #: 61254447 VT

CASE #: 12A104218  
TIME OF OPERATION: 23:44  
LOCATION OF INCIDENT:  
CENTER STREET  
TOWN: MORRISTOWN  
COUNTY: LAMOILLE

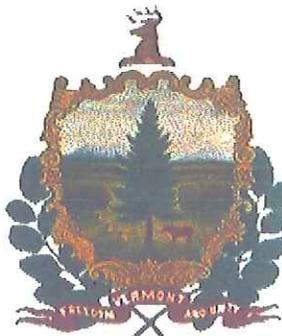
TEST OPERATOR NAME:  
GIANCARLO DIGENOVA  
AGENCY: WILLISTON VSP

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Obs. Period Start: 00:24

Filter Wheel Error

All alcohol values reported in g/210L  
Sim. Vapor Concentration 0.101  
Sim. Vapor Range 0.096 - 0.106  
Lot #: 12-84-100

# DIAGNOSTIC RESULT



DataMaster DMT:100134  
Location: Morristown PD  
Calibration Date: 01/30/2012  
Certification Date:01/31/2012  
Installation Date: 02/09/2012  
Test Date: 10/27/2012  
Test Time: 00:55:04

## VERSIONS

DMT: 1.01  
PIC: 2.05  
Modem: 2.4  
Questions: 2.1

## TEMPERATURES

Sample Chamber = 49.0°C  
Breath Tube = 46.7°C  
Digital Sim = 34.0°C

## SETTINGS

Lamp Voltage = 1.66 V  
Cooler Voltage = 1.66 V  
Bias Voltage = 80 V  
Chopper Freq = 536 Hz

## PUMP INFO

Flow Rate = 5.693 L/M

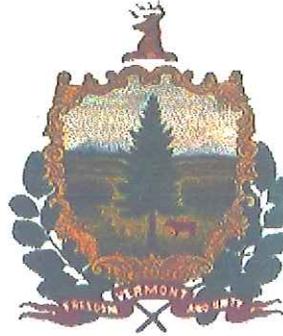
## DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.2002	0.2035
MIN (V)	0.1988	0.2018

Filter Wheel Error

# DIAGNOSTIC RESULT

DataMaster DMT: 100134  
Location: Morrystown PD  
Calibration Date: 01/30/2012  
Certification Date: 01/31/2012  
Installation Date: 02/09/2012  
Test Date: 10/29/2012  
Test Time: 09:24:57



## VERSIONS

DMT: 1.01  
PIC: 2.05  
Modem: 2.4  
Questions: 2.1

## TEMPERATURES

Sample Chamber = 49.2°C  
Breath Tube = 48.1°C  
Digital Sim = 33.9°C

## SETTINGS

Lamp Voltage = 1.65 V  
Cooler Voltage = 1.66 V  
Bias Voltage = 80 V  
Chopper Freq = 520 Hz

## PUMP INFO

Flow Rate = 5.796 L/M

## DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1583	0.1622
MIN(V)	0.1567	0.1606

## FILTER INFO

Filter 1	0.160	Zero = true
Filter 2	0.677	Zero = true
Filter 3	0.826	Zero = true

## CALIBRATION CHECK

Xq = 0.084 0.21%

# Status Record History

Status Date	Status Time	Test Type	Status Message
10/27/2012	00:39:51	DUI Subject Record	Filter Wheel Error
10/27/2012	00:55:49	Diagnostic Record	Filter Wheel Error

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