

July 19, 2009
Fueling of N2446F Prior To Accident on July 14, 2009
Statement from William W. Taylor Jr.

During interviews of July 17, 2009, FAA investigators noted a seeming discrepancy concerning the time of day in which N2446F was topped off on 10 July. The aircraft was dispatched out at 10:42 AM according to the dispatch log (see attachment 1). The time tag on the refueling receipt listed 11:27 as the time of refueling (see attachment 2) – only 45 minutes later. This would have made it impossible to have refueled near the end of mission that was 1.6 on the Hobbs meter (and 1.1 on the Tachometer). Subsequent checks on the self-serve machine that generates the receipts indicated that the time tag is off by some 50 minutes – indicating on the receipt that refueling took place before the actual time. This was confirmed during discussions with the Airport Manager – Matt Wortham ([REDACTED]) on this date. Considering this error, the actual time of refueling was approximately 12:17 – or 1 hour 35 minutes after the keys were dispatched to the crew that flew/refueled N2446F on 19 July.

The fueling history for N2446F for approximately the month that preceeded the accident is as follows – where tach times are obtained from the dispatch report (see attachment 3) and fuel consumed through receipts (attachments 2, 4, 5, 6 and 7):

Date	Airport	Time	Fuel Amount (gals)	Tach to FTW (hrs)	Student	Tach @ Fueling
6/18/09	GDJ	10:41	24.0	0.4	Mwamba	1627.9
6/21/09	GDJ	13:20	20.6	0.4	Mwamba	1631.3
6/26/09	GDJ	11:47	35.8	0.4	Rashdan	1634.7
7/01/09	XBP	18:20	39.8	0.4	Rashdan	1638.9
7/03/09	XBP	17:59	30.0	0.4	Mwamba	1641.8
7/10/09	WEA	11:27*	32.3	0.2	Mwamba	1645.6

*See explanantion first paragraph.

Using the data from 6/18/09 till 7/03/09 - 126.2 gallons of fuel were consumed in 13.9 tached hours for an average consumption of 9.08 gallons per tach hour.

Using the data from 6/18/09 till 7/10/09 – 158.5 gallons of fuel were consumed in 17.7 tached hours for an average consumption of 8.95 gallons per tach hour.


WILLIAM W. TAYLOR JR.
CFII 

System User

Skymavs Flight Academy

07/20/2009

ATTACHMENT 1

Select Report Type ---- Aircraft Detail

Period Beginning 07/10/2009

Period Ending 7/31/2009

Refresh

[Download Totals](#)[Download All Detail](#)

Aircraft Single Engine Cessna 172SP G1000 N2446F

- Represents a gap in either Hobbs or Tach Times

Date Out	Date In	Pilot	Instructor	Total Tach	Total Hobbs	Begin Hobbs	End Hobbs	Begin Tach	End Tach
7/10/2009 10:42:00 AM	7/10/2009 2:03:00 PM	Mwamba, Patrick	Taylor, Chip	1.10	1.60	1997.80	1999.40	1644.70	1645.80
7/11/2009 8:09:00 PM	7/11/2009 9:49:00 PM	Al Rashdan, Mouath		0.50	0.70	1999.40	2000.10	1645.80	1646.30
7/12/2009 11:23:00 AM	7/12/2009 1:09:00 PM	Mwamba, Patrick	Taylor, Chip	0.60	0.90	2000.10	2001.00	1646.30	1646.90
7/12/2009 1:16:00 PM	7/12/2009 4:13:00 PM	Al Rashdan, Mouath	Taylor, Chip	1.40	1.80	2001.00	2002.80	1646.90	1648.30
7/12/2009 4:50:00 PM	7/12/2009 6:15:00 PM	Al Rashdan, Mouath		0.80	1.10	2002.80	2003.90	1648.30	1649.10
Totals				4.4	6.1				

parker co airport
3816 e i-20
hudson oaks tx
817-881-3310
07-10-2009 11:27:36

FUEL:100 LL PUMP #1
32.31 @ \$3.690/GAL \$ 119.22

TOTAL \$ 119.22

VISA

CARD: **** * 0515

NAME: TAYLORJR/WILLIAM W

Tail Number: N2446FF

INVOICE: 100317

APPROVAL: 02509A

This Price Includes Taxes
HAVE A SAFE FLIGHT

System User

Skymavs Flight Academy

07/20/2009

ATTACHMENT 3

Select Report Type ---- Aircraft Detail

Period Beginning 06/01/2009

Period Ending 7/31/2009

Refresh

Download Totals

Download All Detail

Aircraft Single Engine Cessna 172SP G1000 N2446F

**

- Represents a gap in either Hobbs or Tach Times

Date Out	Date In	Pilot	Instructor	Total Tach	Total Hobbs	Begin Hobbs	End Hobbs	Begin Tach	End Tach
6/1/2009 9:55:00 AM	6/1/2009 11:37:00 AM	Cook, Brian		0.90	1.20	1970.30	1971.50	1625.00	1625.90
6/1/2009 11:53:00 AM	6/1/2009 5:59:00 PM	Bruster, Timothy		0.70	1.00	1971.50	1972.50	1625.90	1626.60
6/12/2009 6:39:00 PM	6/12/2009 6:40:00 PM	Mwamba, Patrick	Taylor, Chip	0.40	0.70	1972.50	1973.20	1626.60	1627.00
→ 6/18/2009 8:30:00 AM	6/18/2009 11:39:00 AM	Mwamba, Patrick	Taylor, Chip	1.30	1.70	1973.20	1974.90	1627.00	1628.30
6/20/2009 9:28:00 AM	6/20/2009 11:09:00 AM	Mwamba, Patrick	Taylor, Chip	0.60	0.90	1974.90	1975.80	1628.30	1628.90
6/20/2009 11:11:00 AM	6/20/2009 1:21:00 PM	Al Rashdan, Mouath	Taylor, Chip	0.70	1.00	1975.80	1976.80	1628.90	1629.60
6/21/2009 9:21:00 AM	6/21/2009 11:29:00 AM	Al Rashdan, Mouath	Taylor, Chip	0.90	1.20	1976.80	1978.00	1629.60	1630.50
→ 6/21/2009 11:49:00 AM	6/21/2009 2:29:00 PM	Mwamba, Patrick	Taylor, Chip	1.20	1.70	1978.00	1979.70	1630.50	1631.70
6/24/2009 9:49:00 AM	6/24/2009 11:51:00 AM	Mwamba, Patrick	Taylor, Chip	0.50	0.80	1979.70	1980.50	1631.70	1632.20
6/25/2009 12:19:00 PM	6/26/2009 8:15:00 AM	Watson, John		0.90	1.20	1980.50	1981.70	1632.20	1633.10
6/26/2009 9:18:00 AM	6/26/2009 1:01:00 PM	Merritt, Monica	Taylor, Chip	1.30	1.80	1981.70	1983.50	1633.10	1634.40
→ 6/26/2009 1:51:00 PM	6/26/2009 4:44:00 PM	Al Rashdan, Mouath	Taylor, Chip	0.70	1.10	1983.50	1984.60	1634.40	1635.10
6/27/2009 7:24:00 PM	6/28/2009 7:07:00 AM	Maintenance		0.20	0.30	1984.60	1984.90	1635.10	1635.30
6/28/2009 7:10:00 AM	6/28/2009 10:52:00 AM	Mwamba, Patrick	Taylor, Chip	1.20	1.60	1984.90	1986.50	1635.30	1636.50
7/1/2009 8:43:00 AM	7/1/2009 12:05:00 PM	Watson, John		1.00	1.40	1986.50	1987.90	1636.50	1637.50
→ 7/1/2009 4:04:00 PM	7/1/2009 9:19:00 PM	Al Rashdan, Mouath	Taylor, Chip	1.80	2.60	1987.90	1990.50	1637.50	1639.30
7/3/2009 8:06:00 AM	7/3/2009 12:50:00 PM	Merritt, Monica	Taylor, Chip	1.20	1.60	1990.50	1992.10	1639.30	1640.50
→ 7/3/2009 3:19:00 PM	7/3/2009 6:48:00 PM	Mwamba, Patrick	Taylor, Chip	1.70	2.20	1992.10	1994.30	1640.50	1642.20
7/6/2009 5:30:00 PM	7/6/2009 5:58:00 PM	Al Rashdan, Mouath	Taylor, Chip	1.10	1.50	1994.30	1995.80	1642.20	1643.30
7/7/2009 5:41:00 PM	7/8/2009 9:36:00 PM	Al Rashdan, Mouath		1.00	1.50	1995.80	1997.30	1643.30	1644.30
7/9/2009 5:21:00 PM	7/9/2009 6:16:00 PM	Al Rashdan, Mouath	Taylor, Chip	0.40	0.50	1997.30	1997.80	1644.30	1644.70
→ 7/10/2009 10:42:00 AM	7/10/2009 2:03:00 PM	Mwamba, Patrick	Taylor, Chip	1.10	1.60	1997.80	1999.40	1644.70	1645.80
7/11/2009 8:09:00 PM	7/11/2009 9:49:00 PM	Al Rashdan, Mouath		0.50	0.70	1999.40	2000.10	1645.80	1646.30
7/12/2009 11:23:00 AM	7/12/2009 1:09:00 PM	Mwamba, Patrick	Taylor, Chip	0.60	0.90	2000.10	2001.00	1646.30	1646.90
7/12/2009 1:16:00 PM	7/12/2009 4:13:00 PM	Al Rashdan, Mouath	Taylor, Chip	1.40	1.80	2001.00	2002.80	1646.90	1648.30
7/12/2009 4:50:00 PM	7/12/2009 6:15:00 PM	Al Rashdan, Mouath		0.80	1.10	2002.80	2003.90	1648.30	1649.10
Totals				24.1	33.6				

WELCOME TO

GRANBURY REGIONAL AIRPORT
400 HOWARD CLEMENTS ROAD
GRANBURY, TX

MULTI SERVICE TERMINAL
Merchant 17388

Batch 100486-003
Invoice 103000

AUTH CODE 04590A

06/18/09 10:41:14

CARD: Visa

ACCT#: *****0515

TAIL#: N2446F

PUMP: 1
PRODUCT: 4 [1]

AVGAS 100LL

QUANTITY: 24.000 GL
PRICE/UNIT: \$ 3.1800

TOTAL COST: \$ 76.32

CITY OF GRANBURY AIRPORT

817-579-8533

THANK YOU!

HAVE A SAFE FLIGHT

WELCOME TO

GRANBURY REGIONAL AIRPORT
400 HOWARD CLEMENTS ROAD
GRANBURY, TX

MULTI SERVICE TERMINAL
Merchant 17388

Batch 100489-007
Invoice 103047

AUTH CODE 02597A

06/21/09 - 13:20:59

CARD: Visa

ACCT#: *****0515

TAIL#: N2446F

PUMP: 1
PRODUCT: 4 [1]

AVGAS 100LL

QUANTITY: 20.600 GL
PRICE/UNIT: \$ 3.1800

TOTAL COST: \$ 65.51

CITY OF GRANBURY AIRPORT

817-579-8533

THANK YOU!

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ATTACHMENT

WELCOME TO

GRANBURY REGIONAL AIRPORT
400 HOWARD CLEMENTS ROAD
GRANBURY, TX

MULTI SERVICE TERMINAL
Merchant 17388

Batch 100494-007
Invoice 103097

AUTH CODE 05567A

06/26/09 - 11:47:19

CARD: Visa
ICCT#: *****0515

AIL#: N2446F

PUMP: 1
PRODUCT: 4 [1]

AVGAS 100LL

QUANTITY: 35.800 GL
PRICE/UNIT: \$ 3.1800

TOTAL COST: \$ 113.84

CITY OF GRANBURY AIRPORT
817-579-8533

THANK YOU!
HAVE A SAFE FLIGHT

FUELMASTER

MULTI SERVICE TERMINAL
Merchant 07225

Batch 101901-014
Invoice 110809

AUTH CODE 02530A

07/01/09 18:20:22

CARD: VISA
ACCT: **** *
TAN: N440

PUMP: 01
PRODUCT: 4 F 4 1

AVGAS 100L 2

QUANTITY: 39.77
PRICE/UNIT: \$ 3.2100

TOTAL COST: \$ 128.02

THANK YOU HAVE A GREAT DAY!

FUEL MASTER

MULTI SERVICE TERMINAL
Merchant 07225

Batch 101905 002
Invoice 119657

AUTH CODE 00527A

07/03/09 -- 17:59:27

CARD: Visa
ACCT#: *****0515

TAIL#: N24446F

PUMP: 01
PRODUCT: 4 [4]

AVGAS 100LL

QUANTITY: 30.02
PRICE/UNIT: \$ 3.2190

TOTAL COST: \$ 96.63

THANK YOU! HAVE A NICE DAY!