

**Report By:**

National TAB  
1329 E. KEMPER ROAD  
SUITE 4210  
CINCINNATI, OH 45246



**Report: PRELIM TAB REPORT**  
**Function: Test, Adjust, & Balance**  
**Date: 07/15/2024**

**PROJECT**  
**Grismer Tire & Auto (Mason, OH)**

800 READING ROAD

Mason, OH 45040

**Client**

Titan Mechanical  
11011 Ohio 128

Harrison, OH 45030

# National TAB

Project: Grismer Tire & Auto (Mason, OH)

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# National TAB

Project: Grismer Tire & Auto (Mason, OH)  
System/Unit: FAN - Exhaust



Asset: EF-1

AREA:BOH

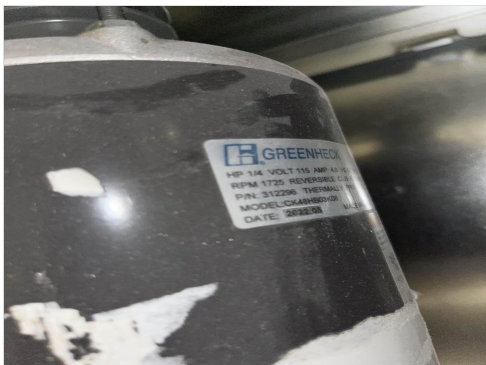
Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	NL
Type	INLINE	INLINE

Test Data		
	Design	Actual
CFM	300	359
Fan RPM	-	NA
RL Voltage	-	120
RL Amperage	-	4.68
Suction ESP	-	-0.19"
Discharge ESP	-	0.16"
Total ESP	0.50	.35"
Brake Horse Power	-	

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NA
Horsepower	0.25	0.25
Motor Rpm	1211	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	4.6
Service Factor	-	NA

Drive Data	
	Actual
Motor Sheave Size	NA
Motor Bore Size	NA
Motor Sheave SetPt	NA
Fan Sheave Size	NA
Fan Sheave Bore	NA
Belt CL Distance	NA
Num of Belts	1
Belt Size	4223

## Motor Data - PHOTO LOG



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Completed By: Cody Collett on 07/15/2024

Notes:  
Amps measured at breaker panel due to disconnect switch type and height above ceiling.

Most drive data not accessible due to height above ceiling.

Written By: Cody Collett on 07/15/2024

**National TAB**  
 Project: Grismer Tire & Auto (Mason, OH)  
**FAN - Exhaust**



**Diffuser Ret/Exh (GRD)**

**EF-1/BOH**

<b>Asset</b>								
<b>Asset Name</b>	<b>Type</b>	<b>Size</b>	<b>DESIGN CFM</b>	<b>AK</b>	<b>CFM(1)</b>	<b>CFM(2)</b>	<b>FINAL CFM</b>	<b>% to design</b>
E1-1	EG-1	6X6	100		109		109	109.0
E1-2	EG-1	6X6	100		119		119	119.0
E1-3	EG-1	6X6	100		131		131	131.0
<b>Total</b>			300		359	0	359	119.67%

Completed By: Cody Collett on 07/15/2024

# National TAB

Project: Grismer Tire & Auto (Mason, OH)  
System/Unit: FAN - Exhaust



Asset: EF-2

AREA:SERVICE BAY

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	6B-330-7-1-46-X
Serial Num	-	23559521
Type	CRE DNFLOW	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR RELIANCE
Frame	-	56
Horsepower	0.76	.75
Motor Rpm	370	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	10.8
Service Factor	-	1.00

Drive Data	
	Actual
Motor Sheave Size	3.5"
Motor Bore Size	10/16"
Motor Sheave SetPt	FULLY CLOSED
Fan Sheave Size	13.5"
Fan Sheave Bore	1.25"
Belt CL Distance	10.75"
Num of Belts	1
Belt Size	A47

Test Data		
	Design	Actual
CFM	7400	7750
Fan RPM	-	
RL Voltage	-	120
RL Amperage	-	9.3
Suction ESP	-	NA
Discharge ESP	-	ATM
Total ESP	0.76	NA
Brake Horse Power	-	

Completed By: Cody Collett on 07/15/2024

Notes:  
Unable to lift fan due to size and weight to measure fan suction pressure.

Written By: Cody Collett on 07/15/2024

# National TAB

Project: Grismer Tire & Auto (Mason, OH)  
System/Unit: Split Sys Furnace



Asset: FRN-1

AREA: WAITING

Unit Data		
	Design	Actual
MFG	NA	CARRIER
Model Num	NA	59TP6C120V241122
Serial Num	-	4323A47428
Configuration	HORIZONTAL	HORIZONTAL
Filter Size Size 1	-	20"x20"x1"

Test Data		
	Design	Actual
SF CFM	1300	1324
Motor Speed SetPt	-	COOLING
RL Voltage	-	120
RL Amperage	-	9.65
RA CFM	1060	960
OA CFM	240	364

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	1	NL
Voltage	120	NL
Amperage	-	NL

Performance Data		
	Design	Actual
Suction ESP	-	-0.18"
Discharge ESP	-	0.125"
Total ESP	0.60	.305"

Completed By: Cody Collett on 07/15/2024

Notes:  
Unable to set outside air due to OA damper not being wired/connected.

No motor data labels were present on the motor or furnace.

Written By: Cody Collett on 07/15/2024

# National TAB

Project: Grismer Tire & Auto (Mason, OH)

## Split Sys Furnace



**Diffuser Supply (GRD)**

**FRN-1/WAITING**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-1	BOH	SD2	8	155	198	153	98.7
1-2	BOH	SD2	8	155	185	148	95.5
1-3	BOH	SD-2	6	80	128	74	92.5
1-4	BOH	SD-2	6	80	82	79	98.8
1-5	BOH	SD-2	6	80	72	82	102.5
1-6	WAITING	SD2	10	250	219	256	102.4
1-7	WAITING	SD2	10	250	231	262	104.8
1-8	WAITING	SD2	10	250	238	269	107.6
Total				1300	1353	1323	101.77%

**Diffuser Ret/Exh (GRD)**

**FRN-1/WAITING**

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
R1-1	RG1	10X10	310		352		352	113.5
R1-2	RG1	12X12	750		608		608	81.1
Total			1060		960	0	960	90.57%

Completed By: Cody Collett on 07/15/2024



## Issue List

- EF-1 unable to change speed.
- Furnace 1 OA damper actuator not wired



### Grismer Tire & Auto (Mason, OH)

#### Project Issue Information

**Issue Name :** EF-1 unable to change speed.  
**Description :** EF-1 out of design airflow; unable to change speed due to height above ceiling.  
**Created By :** National TAB                      **Assigned To :** National TAB - Nick Payne  
**Status :** Open  
**Priority :** Urgent                                      **Asset Tag :** EF-1  
**Originated Date :** 07/15/2024 - Cody Collett - National TAB



### Grismer Tire & Auto (Mason, OH)

#### Project Issue Information

**Issue Name :** Furnace 1 OA damper actuator not wired  
**Description :** OA Damper actuator not wired.  
**Created By :** National TAB                      **Assigned To :** National TAB - Nick Payne  
**Status :** Open  
**Priority :** High                                      **Asset Tag :** FURNACE1  
**Originated Date :** 07/15/2024 - Cody Collett - National TAB

#### Project Issue File Details



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07/15/2024