

Palmer Peter  
 Form 3  
 February 23, 2012

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL  
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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
^ Palmer Peter		(Month/Day/Year)	TransDigm Group INC [TDG]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
		02/15/2012		
1301 EAST 9TH STREET,^ SUITE 3710			(Check all applicable)	
(Street)			<input type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
CLEVELAND,^ OH^ 44114			<input checked="" type="checkbox"/> Officer	<input type="checkbox"/> Other
(City)	(State)	(Zip)	(give title below)	(specify below)
			President, AdelWiggins Group	
			6. Individual or Joint/Group Filing(Check Applicable Line)	
			<input checked="" type="checkbox"/> Form filed by One Reporting Person	
			<input type="checkbox"/> Form filed by More than One Reporting Person	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	0	D	^

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Amount or Number of Shares	or Indirect (I) (Instr. 5)
Stock Option <sup>(1)</sup>	10/01/2009	10/01/2015	Common Stock 17,468 \$ 13.37	D Â
Stock Option <sup>(2)</sup>	10/01/2011	10/01/2015	Common Stock 3,990 \$ 13.37	D Â
Stock Option <sup>(3)</sup>	10/01/2015	11/17/2018	Common Stock 35,000 \$ 27.08	D Â
Stock Option	04/22/2011	04/22/2020	Common Stock 10,000 \$ 56.86	D Â
Stock Option	11/14/2012	11/14/2021	Common Stock 10,500 \$ 97.42	D Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Palmer Peter 1301 EAST 9TH STREET SUITE 3710 CLEVELAND, OH 44114	Â	Â	Â President, AdelWiggins Group	Â

## Signatures

/s/Halle F. Terrion, as Attorney-in-Fact for Peter Palmer 02/22/2012

\_\_Signature of Reporting Person Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Vest based on the achievement of annual and cumulative per share operating performance targets between fiscal 2009 and fiscal 2013.
- (2) Vest based on the achievement of annual and cumulative per share operating performance targets between fiscal 2011 and fiscal 2015.
- (3) Vest based on the achievement of annual and cumulative per share operating performance targets between fiscal 2015 and fiscal 2016.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.