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

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

es)														
1. Name and Address of Reporting Person * CARLSON ALLEN J			2. Issuer Name and Ticker or Trading Symbol SUN HYDRAULICS CORP [SNHY]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner				
(Last) (First) (Middle) 1500 WEST UNIVERSITY PARKWAY				3. Date of Earliest Transaction (Month/Day/Year) 09/10/2013						X Officer (give title below) Other (specify below) President, CEO				
(Street) SARASOTA, FL 34243			4. If Amendment, Date Original Filed(Month/Day/Year))	6. Individual or Joint/Group Filing(Check Applicable Line) X_Form filed by One Reporting Person Form filed by More than One Reporting Person				
(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned												
Dat	Date	any	Code (Instr. 8)		(A) or Disposed		of (D) Beneficia Reported		ally Owned Following Transaction(s)		Ownership of Form:	7. Nature of Indirect Beneficial		
		(Month/Day	/Year		le	V	Amoun	(A) or (D)	Price	(Instr. 3 a	nd 4)			Ownership (Instr. 4)
09/	/10/2013			S			21,454	113	*	49,315.9	987		D	
										14,467.7	794		I (1)	BY ESOP TRUST
separate line for e	ach class of secu	urities benefic	cially	owned o										
					С	ont	ained i	n this fo	rm are	e not req	uired to re	espond un	less	EC 1474 (9- 02)
										lly Owned	l			
Date Execution Da (Month/Day/Year) any		e, if Transaction of Code D (Instr. 8) Sc (A (E		of Derivative Securities Acquired (A) or Disposed		and Expiration Date		Amo Und Secu	ount of erlying irities	Derivative Security (Instr. 5)	Derivative Securities Beneficially Owned Following Reported	Owners Form of Derivati Security Direct (or Indire	Ownership: (Instr. 4) D)	
										Amount				
	of Reporting Person J (First) ERSITY PARK (Street) 4243 (State) 2.7 Da (M) separate line for e	rable II - I 3. Transaction Date (Month/Day/Year) Table II - I (Month/Day/Year) A Date (Month/Day/Year) A Date (Month/Day/Year)	Table II - Derivative Segregate line for each class of securities benefic (Month/Day/Year) Table II - Derivative Segregate (Month/Day/Year) 3. Date of EQUITY Department of Execution Date (Month/Day/Year) Table II - Derivative Segregate (Month/Day/Year) 3. Transaction (Month/Day/Year)	2. Issuer Name as SUN HYDRAU (First) (Middle) ERSITY PARKWAY (Street) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) (Month/Day/Year) Table II - Derivative Securities beneficially of the company	2. Issuer Name and Tic SUN HYDRAULICS (First) (Middle) ERSITY PARKWAY (Street) 4. If Amendment, Date Code (Instr. Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Instr. Month/Day/Year) 3. Trable II - Derivative Securities Acq (e.g., puts, calls, warrants, any (Month/Day/Year)) 3. Transaction Date (Execution Date, if Date (Instr. Month/Day/Year)) 3. Transaction Date (Instr. Month/Day/Year) 3. Transaction Date (Instr. Month/Day/Year) 4. Source (e.g., puts, calls, warrants, any (Month/Day/Year)) 4. If Amendment, Date Code (Instr. Month/Day/Year)	2. Issuer Name and Ticker of SUN HYDRAULICS CO SUN HYDRAULICS CO 3. Date of Earliest Transaction 09/10/2013 (Street) 4. If Amendment, Date Origin 2. Transaction Date (Month/Day/Year) 2. Transaction Date origin 2. Transaction Date origin 3. Transaction Date (Instr. 8) Code (Instr. 8) Table II - Derivative Securities Acquired (e.g., puts, calls, warrants, option of Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Month/Day/Year) 3. Transaction Date (Instr. 8) 4. S. Number Code (Instr. 8) For the public origin of Sun Derivative Securities Acquired (A) or Disposed	2. Issuer Name and Ticker or Tr SUN HYDRAULICS CORP (First) (Middle) (Street) 3. Date of Earliest Transaction (M 09/10/2013 (Street) 4. If Amendment, Date Original F (State) 2. Transaction Date (Month/Day/Year) 2. Trable I - Non-Deri (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 3. Transaction Code (Instr. 8) Pers Code V 1. Table II - Derivative Securities Acquired, Di (e.g., puts, calls, warrants, options. Date (Month/Day/Year) 3. Transaction Code (Instr. 8) Pers Cont (honth/Day/Year) 4. S. Number 6. D And Date (Month/Day/Year) 6. D Execution Date, if Code (Instr. 8) Code (Instr. 8) Pers Cont (c.g., puts, calls, warrants, options. Code (Instr. 8) Code (Instr. 8)	2. Issuer Name and Ticker or Trading Sy SUN HYDRAULICS CORP [SNHY Op/10/2013] (Street) 3. Date of Earliest Transaction (Month/Day Op/10/2013] (Strate) 24. If Amendment, Date Original Filed(Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Instr. 8) 2. Transaction Date Original Filed(Month/Day/Year) 2. Transaction Date (A) or Equipment (Instr. 8) 2. Transaction Date (Instr. 8) 2. Transaction Da	2. Issuer Name and Ticker or Trading Symbol SUN HYDRAULICS CORP [SNHY] (First) (Middle) (Street) 3. Date of Earliest Transaction (Month/Day/Year) (99/10/2013 (Street) 4. If Amendment, Date Original Filed(Month/Day/Year) 6. Ocde (A) or Disposed (Instr. 3, 4 and 5) (Instr. 8) (Instr. 3, 4 and 5) (Instr. 3, 4 and 5	2. Issuer Name and Ticker or Trading Symbol SUN HYDRAULICS CORP [SNHY] (First) (Middle) (SUN HYDRAULICS CORP [SNHY] (Street) 4. If Amendment, Date Original Filed(Month/Day/Year) (Strate) 2. Transaction Date (Month/Day/Year) 2. Transaction Date Original Filed(Month/Day/Year) 3. Transaction (A) or Disposed of (D) (Instr. 8) Code V Amount (D) Price (Instr. 8) 2. 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Issuer Name and Ticker or Training Symbol SUN HYDRAULICS CORP [SNHY] (Check all appli X_Director X_Officer (give tile below) President, C President, C (State) 2. Transaction Date (Month/Day/Year) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) 2. Transaction Date (Execution Date, ig any (Month/Day/Year) (Month/Day/Year) (A) or Disposed of (D) (Instr. 3, 4 and 5) (Instr. 3 and 4) 2. Transaction (A) or Disposed of (D) (Instr. 3, 4 and 5) (Instr. 3 and 4) (Instr. 3 and 4) 2. Transaction (A) or Disposed of (D) (Instr. 3, 4 and 5) (Instr. 3 and 4) (Instr. 3 and 4) 2. Transaction (A) or Disposed of (D) (Instr. 3, 4 and 5) (Instr. 3 and 4) (Instr. 5)	Sum Sum

	Relationships						
Reporting Owner Name / Address	Director	10% Owner	Officer	Other			
CARLSON ALLEN J							
1500 WEST UNIVERSITY PARKWAY	X		President, CEO				
SARASOTA, FL 34243							

Signatures

Gregory C. Yadley, as Attorney-in-Fact for ALLEN J. CARLSON	09/12/2013
Signature of Reporting Person	Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(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) Reflects allocations of shares under the Sun Hydraulics Corporation Employee Stock Ownership Plan.

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.