FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Ì	OMB APPROVAL	
	OMB Number:	3235-0287
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	hours per response:	0.5

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

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

1. Name and Address of Reporting Person* SIMMONS HAROLD C					2. Issuer Name and Ticker or Trading Symbol KRONOS WORLDWIDE INC [ KRO ]											nship of Reporting P I applicable) Director	erson(s) t	o Issuer X	10% Own	er
(Last) (F 5430 LBJ FREEWAY, SUITE	1700	(Mi	ddle)		3. Date of Earliest Transaction (Month/Day/Year) 09/11/2008  X Officer (give title below) Other (sp Chairman of the Board										ecify below)					
(Street) DALLAS TO (City) (Street)	X tate)	75. (Ziş	240		4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individ	5. Individual or Joint/Group Filing (Check Applicable Line)  X Form filed by One Reporting Person  Form filed by More than One Reporting Person						
			Т	able I -	Non-Deriv	vative	e Securities	Acqui	red,	Dispo	osed of, or	Bene	ficially Ow	ned						
					2. Transaction Date (Month/Day/Year)  2. Deemed Execution Date, if any (Month/Day/Year)		Code	<u> </u>		4. Securities Acquired (A) or Disposed (3, 4 and 5)  Amount (A) or (D) Property (A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B			ed Of (D)	Beneficially Owned Foll		ollowing	llowing   Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership (Instr.	
Common Stock \$0.01 par valu	e				09/11/20		(montasbay) rea	J <sup>(1)</sup>	_		300		A	_	2.39	36,656			I	by Spouse <sup>(2)</sup>
Common Stock \$0.01 par value				09/11/2008			<b>J</b> (1)	)		700		A	\$12.4		37,356			I	by Spouse <sup>(2)</sup>	
Common Stock \$0.01 par value				09/11/2008			<b>J</b> (1)	)		2,200	)	A	\$12.5		39,556		I		by Spouse <sup>(2)</sup>	
Common Stock \$0.01 par value				09/12/2008			J <sup>(1)</sup>	)		100		A	\$12.47		39,656		I		by Spouse <sup>(2)</sup>	
Common Stock \$0.01 par valu	ommon Stock \$0.01 par value				09/12/2008			J <sup>(1)</sup>	)		900		A	\$12.5		40,556			I	by Spouse <sup>(2)</sup>
Common Stock \$0.01 par valu	e				09/15/20	800		<b>J</b> <sup>(1)</sup>	)		1,200	)	A	\$1	2.49	41,756 I				by Spouse <sup>(2)</sup>
Common Stock \$0.01 par valu	e				09/15/20	800		J <sup>(1)</sup>	)		4,100	)	A	\$1	12.5	45,856	45,856 I l			
Common Stock \$0.01 par valu	e															152,867		D		
Common Stock \$0.01 par valu	e															28,995,02	.995,021 I by Va			
Common Stock \$0.01 par value															17,516,13	2		I	by NL <sup>(4)</sup>	
Common Stock \$0.01 par value														5,203			I	by TFMC(5)		
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																			
Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transad (Instr. 8)	Securi		nber of Derivative ities Acquired (A) sed of (D) (Instr. 3	or Ex	piratio	xercisa n Date ay/Year	Der	. Title and Amount of Securities L Perivative Security (Instr. 3 and 4)		Underlying 8. Price of Derivative Security (Instr. 5)		9. Number of derivative Securities Beneficially Owned Following	ve es ially	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
Cooliny				Code	v	(A)	(D)	Dat	te ercisal:		xpiration ate Titl				unt or ber of Sha	res	Reporte Transac (Instr. 4)	d tion(s)		

## Explanation of Responses:

- 1. Open market purchase by the reporting person's spouse. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship to the reporting person.
- 2. Directly held by the reporting person's spouse. The reporting person disclaims beneficial ownership of any shares of the issuer's common stock that his spouse holds.

  3. Directly held by Valhi, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship to the reporting person.
- 4. Directly held by NL Industries, Inc. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship to the reporting person.

  5. Directly held by TIMET Finance Management Company. See the Additional Information filed as Exhibit 99 to this statement for a description of the relationship to the reporting person.

## Remarks: Exhibit Index Exhibit 99 - Additional Information

A. Andrew R. Louis, Attorney-in-fact, for Harold C. Simmons

\*\* Signature of Reporting Person

09/15/2008 Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.

Valhi, Inc. ("Valhi"), NL Industries, Inc. ("NL") and TIMET Finance Management Company ("TFMC") are the holders of 59.2%, 35.8% and less than 0.1%, respectively, of Titanium Metals Corporation ("TIMET") directly owns 100% of the outstanding common stock of TFMC. Valhi Holding Company ("VMC"), Harold C. Simmons' spouse, The Common Valhi and TFMC are the direct holders of approximately 83.1% and 0.5%, respectively, of the outstanding common stock of NL. VMC, TFMC, the Foundation and the CMRT & Substantially all of Contran's outstanding voting stock is held by trusts established for the benefit of certain children and grandchildren of Harold C. Simmons (the Harold C. Simmons is the chairman of the board and chief executive officer of each of the issuer and NL and the chairman of the board of each of Valhi, TIMET, VMC, The Foundation directly holds approximately 8.2% of the outstanding shares of TIMET common stock and 0.9% of the outstanding shares of Valhi common stock. The Foundation directly holds approximately 8.5% of the outstanding shares of TIMET common stock and 0.1% of the outstanding shares of Valhi common stock. Contran sponson By virtue of the holding of the offices, the stock ownership and his services as trustee, all as described above, (a) Harold C. Simmons may be deemed to control such Harold C. Simmons' spouse is the direct owner of 45,856 shares of Common Stock, 269,775 shares of NL common stock, 21,617,875 shares of TIMET common stock and 100,1 harold C. Simmons directly holds 152,867 shares of Common Stock, 800,600 shares of NL common stock, 7,175,239 shares of TIMET common stock and 3,383 shares of Valhi A trust, of which Harold C. Simmons and his spouse are trustees and the beneficiaries are the grandchildren of his spouse, is the direct holder of 17,432 of TIMET (NL and a substidiary of NL directly own 3,522,967 and 1,186,280 shares of Valhi common stock, respectively. Pursuant to Delaware law, Valhi treats the shares of Valhi