

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
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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).

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* <b>SIMMONS HAROLD C</b>  (Last) (First) (Middle) <b>5430 LBJ FREEWAY, SUITE 1700</b>  (Street) <b>DALLAS TX 75240</b>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>KRONOS WORLDWIDE INC [ KRO ]</b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>Chairman of the Board</b>
	3. Date of Earliest Transaction (Month/Day/Year) <b>09/16/2008</b>	

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock \$0.01 par value	09/16/2008		j <sup>(1)</sup>		100	A	\$12.82	45,956	I	by Spouse <sup>(2)</sup>
Common Stock \$0.01 par value	09/16/2008		j <sup>(1)</sup>		600	A	\$12.85	46,556	I	by Spouse <sup>(2)</sup>
Common Stock \$0.01 par value	09/16/2008		j <sup>(1)</sup>		200	A	\$12.98	46,756	I	by Spouse <sup>(2)</sup>
Common Stock \$0.01 par value	09/16/2008		j <sup>(1)</sup>		3,100	A	\$13	49,856	I	by Spouse <sup>(2)</sup>
Common Stock \$0.01 par value								152,867	D	
Common Stock \$0.01 par value								28,995,021	I	by Valhi <sup>(3)</sup>
Common Stock \$0.01 par value								17,516,132	I	by NL <sup>(4)</sup>
Common Stock \$0.01 par value								5,203	I	by TFMC <sup>(5)</sup>

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. 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. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:

- Open market purchase by the reporting person's spouse.
- 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.
- 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.
- 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.
- 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 09/18/2008  
Harold C. Simmons  
\*\* Signature of Reporting Person 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 0.1%, respectively, of the outstanding common stock of NL. Titanium Metals Corporation ("TIMET") directly owns 100% of the outstanding common stock of TFMC. Valhi Holding Company ("VHC"), Harold C. Simmons' spouse, The Commonwealth Foundation and the CMRT are the direct holders of approximately 83.1%, 0.5%, 0.2% and 8.5%, respectively, of the outstanding common stock of NL. VHC, TFMC, the Foundation and the CMRT are the direct holders of approximately 83.1% and 0.5%, respectively, of the outstanding common stock of NL. VHC, TFMC, the Foundation and the CMRT are the direct holders of approximately 83.1% and 0.5%, respectively, of the outstanding common stock of NL. 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 "Trusts"). 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, VHC, the Foundation and the CMRT. The Foundation directly holds approximately 0.2% of the outstanding shares of TIMET common stock and 0.9% of the outstanding shares of Valhi common stock. The Foundation also holds approximately 0.2% of the outstanding shares of NL common stock. The CMRT 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 sponsors the Trusts. 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 of the issuer and NL. Harold C. Simmons' spouse is the direct owner of 49,856 shares of Common Stock, 269,775 shares of NL common stock, 21,825,875 shares of TIMET common stock and 100,000 shares of Valhi common stock. Harold C. Simmons directly holds 152,867 shares of Common Stock, 880,600 shares of NL common stock, 7,175,239 shares of TIMET common stock and 3,383 shares of Valhi common stock. 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 common stock. NL and a subsidiary of NL directly own 3,522,967 and 1,186,200 shares of Valhi common stock, respectively. Pursuant to Delaware law, Valhi treats the shares of Valhi common stock owned by the Trusts as if they were owned by Harold C. Simmons.