

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

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 OR 15(d) of the Securities
Exchange Act of 1934

Date of Report (Date of the earliest event reported)
September 3, 2004

Kronos Worldwide, Inc.
(Exact name of Registrant as specified in its charter)

Delaware
(State or other
jurisdiction of
incorporation)

1-31763
(Commission
File Number)

76-0294959
(IRS Employer
Identification
No.)

5430 LBJ Freeway, Suite 1700 Dallas, Texas
(Address of principal executive offices)

75240-2697
(Zip Code)

Registrant's telephone number, including area code
(972) 233-1700

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 1.01 Entry into a Material Definitive Agreement.

Item 2.03 Creation of a Direct Financial Obligation or an Obligation under an Off-Balance Sheet Arrangement of a Registrant.

On September 3, 2004, certain subsidiaries of Kronos Worldwide, Inc. ("Kronos") entered into the First Amendment Agreement Relating To A Facility Agreement dated June 25, 2002 (the "Amendment"). The Amendment added two wholly owned indirect subsidiaries of Kronos as additional borrowers under Kronos' euro 80 million European revolving credit facility, a copy of which can be found as Exhibit No. 10.1 to the Quarterly Report on Form 10-Q of NL Industries, Inc. (File No. 1-640) for the quarter ended June 30, 2002.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Kronos Worldwide, Inc
(Registrant)

By: /s/ Robert D. Graham

Robert D. Graham
Vice President, General Counsel
and Secretary

Date: September 7, 2004