

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

SCHEDULE 13D
(Rule 13d-101)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT
TO § 240.13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO
§ 240.13d-2(a)

(Amendment No. 21)¹

GenCorp Inc.
(Name of Issuer)

Common Stock, par value \$0.10
(Title of Class of Securities)

368682100
(CUSIP Number)

Warren G. Lichtenstein
Steel Partners Holdings L.P.
590 Madison Avenue, 32nd Floor
New York, New York 10022
(212) 520-2300
(Name, Address and Telephone Number of Person
Authorized to Receive Notices and Communications)

January 1, 2012
(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box .

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See § 240.13d-7 for other parties to whom copies are to be sent.

¹ The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the *Notes*).

1	NAME OF REPORTING PERSON STEEL PARTNERS HOLDINGS L.P.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER - 0 -
	8	SHARED VOTING POWER 4,065,737
	9	SOLE DISPOSITIVE POWER - 0 -
	10	SHARED DISPOSITIVE POWER 4,065,737
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,065,737	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="radio"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 6.9%	
14	TYPE OF REPORTING PERSON PN	

1	NAME OF REPORTING PERSON	
	SPH GROUP LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/>	
	(b) <input type="radio"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS	
	AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION	
	DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER
		- 0 -
	8	SHARED VOTING POWER
		4,065,737
	9	SOLE DISPOSITIVE POWER
		- 0 -
	10	SHARED DISPOSITIVE POWER
		4,065,737
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	4,065,737	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="radio"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)	
	6.9%	
14	TYPE OF REPORTING PERSON	
	OO	

1	NAME OF REPORTING PERSON SPH GROUP HOLDINGS LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER - 0 -
	8	SHARED VOTING POWER 4,065,737
	9	SOLE DISPOSITIVE POWER - 0 -
	10	SHARED DISPOSITIVE POWER 4,065,737
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,065,737	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="radio"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 6.9%	
14	TYPE OF REPORTING PERSON OO	

1	NAME OF REPORTING PERSON STEEL PARTNERS HOLDINGS GP INC.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION DELAWARE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER - 0 -
	8	SHARED VOTING POWER 4,065,737
	9	SOLE DISPOSITIVE POWER - 0 -
	10	SHARED DISPOSITIVE POWER 4,065,737
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 4,065,737	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="radio"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 6.9%	
14	TYPE OF REPORTING PERSON CO	

1	NAME OF REPORTING PERSON WARREN G. LICHTENSTEIN	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="radio"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS OO	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION USA	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER 60,076
	8	SHARED VOTING POWER - 0 -
	9	SOLE DISPOSITIVE POWER 33,503
	10	SHARED DISPOSITIVE POWER - 0 -
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 60,076	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="radio"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) LESS THAN 1%	
14	TYPE OF REPORTING PERSON IN	

The following constitutes Amendment No. 21 to the Schedule 13D filed by the undersigned ("Amendment No. 21"). Effective January 1, 2012, as a result of an amendment to a certain management agreement with Steel Partners Holdings L.P., Steel Partners LLC and Warren G. Lichtenstein ceased to have the power to vote and dispose of the securities reported herein owned directly by SPH Group Holdings LLC and Steel Partners Holdings GP Inc. assumed the power to vote and dispose of such securities. Accordingly, this Amendment No. 21, among other things, (a) removes Steel Partners LLC as a Reporting Person and (b) adds Steel Partners Holdings GP Inc. as a Reporting Person. Warren G. Lichtenstein remains a Reporting Person by virtue of his role as a director of the Issuer.

Item 2. Identity and Background.

Item 2 is hereby amended and restated to read as follows:

(a) This statement is filed by Steel Partners Holdings L.P., a Delaware limited partnership ("Steel Holdings"), SPH Group LLC, a Delaware limited liability company ("SPHG"), SPH Group Holdings LLC, a Delaware limited liability company ("SPHG Holdings"), Steel Partners Holdings GP Inc., a Delaware corporation ("Steel Holdings GP"), and Warren G. Lichtenstein. Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

Steel Holdings owns 99% of the membership interests of SPHG. SPHG is the sole member of SPHG Holdings. Steel Holdings GP is the general partner of Steel Holdings, the managing member of SPHG and the manager of SPHG Holdings. By virtue of these relationships, each of Steel Holdings, SPHG and Steel Holdings GP may be deemed to beneficially own the Shares owned directly by SPHG Holdings. Warren G. Lichtenstein, an officer and director of Steel Holdings GP, is a director of the Issuer. Accordingly, the Reporting Persons are hereby filing a joint Schedule 13D.

Set forth on Schedule A annexed hereto is the name and present principal business, occupation or employment and the name, principal business and address of any corporation or other organization in which such employment is conducted of the executive officers and directors of Steel Holdings GP. To the best of the Reporting Persons' knowledge, except as otherwise set forth herein, none of the persons listed on Schedule A beneficially owns any securities of the Issuer or is a party to any contract, agreement or understanding required to be disclosed herein.

(b) The principal business address of each of the Reporting Persons is 590 Madison Avenue, 32nd Floor, New York, New York 10022.

(c) Steel Holdings is a global diversified holding company that engages or has interests in a variety of operating businesses through its subsidiary companies. Steel Holdings may seek to obtain majority or primary control, board representation or other significant influence over the businesses in which it holds an interest. The principal business of SPHG Holdings is holding securities for the account of Steel Holdings. The principal business of SPHG is serving as the sole member of SPHG Holdings and other affiliates. The principal business of Steel Holdings GP is serving as the general partner of Steel Holdings, the managing member of SPHG and the manager of SPHG Holdings. The principal occupation of Warren G. Lichtenstein is serving as the Chairman and Chief Executive Officer of Steel Holdings GP.

(d) No Reporting Person nor any person listed on Schedule A has, during the last five years, been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors).

(e) No Reporting Person nor any person listed on Schedule A has, during the last five years, been party to a civil proceeding of a judicial or administrative body of competent jurisdiction and as a result of such proceeding was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.

(f) Each of the individuals who are Reporting Persons or listed on Schedule A are citizens of the United States of America. Each of the entities who are Reporting Persons are organized under the laws of the State of Delaware.

Item 3. Source and Amount of Funds or Other Consideration.

Item 3 is hereby amended and restated to read as follows:

The aggregate purchase price of the 4,065,737 Shares owned directly by SPHG Holdings is approximately \$46,590,022, including brokerage commissions. The Shares owned directly by SPHG Holdings were acquired with funds of an affiliated entity that initially purchased the Shares prior to being contributed to SPHG Holdings.

Warren G. Lichtenstein owns directly 60,076 Shares, including 33,503 Shares underlying Restricted Stock Awards that have vested, all of which were awarded to him in his capacity as a director of the Issuer.

Set forth on Schedule B annexed hereto ("Schedule B") is the aggregate purchase price of the Shares beneficially owned, if any, by each of the persons, who are not Reporting Persons, listed on Schedule A.

SPHG Holdings effects purchases of securities primarily through margin accounts maintained for it with prime brokers, which may extend margin credit to it as and when required to open or carry positions in the margin accounts, subject to applicable federal margin regulations, stock exchange rules and the prime brokers' credit policies. In such instances, the positions held in the margin accounts are pledged as collateral security for the repayment of debit balances in the accounts.

Item 5. Interest in Securities of the Issuer.

Item 5(a) is hereby amended and restated to read as follows:

(a) The aggregate percentage of Shares reported owned by each person named herein is based upon 58.7 million Shares outstanding, which is the total number of Shares outstanding as of September 23, 2011 as reported in the Issuer's Form 10-Q filed with the Securities and Exchange Commission on September 30, 2011.

As of the close of business on January 2, 2012, SPHG Holdings owned directly 4,065,737 Shares, constituting approximately 6.9% of the Shares outstanding. By virtue of their relationships with SPHG Holdings, each of Steel Holdings, SPHG and Steel Holdings GP may be deemed to beneficially own the Shares owned directly by SPHG Holdings.

As of the close of business on January 2, 2012, Warren G. Lichtenstein beneficially owned 60,076 Shares, constituting less than 1% of the Shares outstanding.

Set forth on Schedule B is the aggregate number and percentage of Shares beneficially owned, if any, by each of the persons listed on Schedule A. Unless otherwise indicated thereon, each of the persons listed on Schedule B has (i) the sole power to vote and dispose of the Shares they beneficially own, if any, and (ii) the right to receive, or the power to direct the receipt of dividends from, or proceeds from the sale of, the Shares that they beneficially own, if any.

Item 5(b) is hereby amended and restated to read as follows:

(b) Each of the Reporting Persons other than Warren G. Lichtenstein may be deemed to have shared power to vote and dispose of the Shares reported in this statement owned directly by SPHG Holdings. Mr. Lichtenstein has the sole power to vote the Shares reported in this Schedule 13D owned directly by Mr. Lichtenstein. Mr. Lichtenstein may be deemed to have the sole power to dispose of 33,503 of such Shares.

Item 5(c) is hereby amended to add the following:

(c) Schedule C annexed hereto lists all transactions in the Shares by SPHG Holdings during the past 60 days. All of such transactions were effected in the open market.

Item 6. Contracts, Arrangements, Understandings or Relationships With Respect to Securities of the Issuer.

Item 6 is hereby amended to add the following:

Pursuant to Rule 13d-1(k) promulgated under the Exchange Act, the Reporting Persons have entered into an agreement with respect to the joint filing of this statement, and any amendment or amendments thereto.

Except as set forth herein, there are no contracts, arrangements, understandings or relationships among the Reporting Persons, or between the Reporting Persons and any other person, with respect to the securities of the Issuer.

As of the date hereof, the Reporting Persons no longer own any 2 1/4% Convertible Subordinated Debentures of the Issuer.

Item 7. Material to be Filed as Exhibits.

Item 7 is hereby amended to add the following exhibits:

99.1 Joint Filing Agreement by and among Steel Partners Holdings L.P., SPH Group LLC, SPH Group Holdings LLC, Steel Partners Holdings GP Inc. and Warren G. Lichtenstein, dated January 3, 2012.

99.2 Powers of Attorney.

SIGNATURES

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: January 3, 2012

STEEL PARTNERS HOLDINGS L.P.

By: Steel Partners Holdings GP Inc.
General Partner

By: /s/ Jack L. Howard
Jack L. Howard, President

SPH GROUP LLC

By: Steel Partners Holdings GP Inc.
Managing Member

By: /s/ Jack L. Howard
Jack L. Howard, President

SPH GROUP HOLDINGS LLC

By: Steel Partners Holdings GP Inc.
Manager

By: /s/ Jack L. Howard
Jack L. Howard, President

STEEL PARTNERS HOLDINGS GP INC.

By: /s/ Jack L. Howard
Jack L. Howard, President

/s/ Jack L. Howard
JACK L. HOWARD
as Attorney-In-Fact for Warren G. Lichtenstein

SCHEDULE A

Executive Officers and Directors of Steel Partners Holdings GP Inc.

Name and Position	Present Principal Occupation	Business Address
Warren G. Lichtenstein, Chairman, Chief Executive Officer and Director	Chairman and Chief Executive Officer of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32 nd Floor New York, NY 10022
Jack L. Howard, President, Secretary and Director	President of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company, and a principal of Mutual Securities, Inc., a registered broker dealer	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32 nd Floor New York, NY 10022
James F. McCabe, Jr., Chief Financial Officer	Chief Financial Officer of Steel Partners Holdings GP Inc., the General Partner of Steel Partners Holdings L.P., a global diversified holding company	c/o Steel Partners Holdings L.P. 590 Madison Avenue, 32 nd Floor New York, NY 10022
Anthony Bergamo, Director	Vice Chairman of MB Real Estate, a property management company	c/o MB Real Estate 335 Madison Avenue, 14 th Floor New York, NY 10017
John P. McNiff, Director	Partner of Mera Capital Management LP, a private investment partnership	c/o Mera Capital Management LP 161 Washington Street, Suite 1560 Conshohocken, PA 19428
Joseph L. Mullen, Director	Managing Partner of Li Moran International, Inc., a management consulting company	c/o Li Moran International 611 Broadway, Suite 722 New York, NY 10012
General Richard I. Neal, Director	President of Sisvel US, Inc. and Audio MPEG, Inc., licensors of intellectual property	c/o Sisvel US, Inc. 66 Canal Center Plaza, Suite 750 Alexandria, VA 22314
Allan R. Tessler, Director	Chairman and Chief Executive Officer of International Financial Group, Inc., an international merchant banking firm	c/o International Financial Group, Inc. 2500 North Moose Wilson Road Wilson, WY 83014

SCHEDULE B

Interest in Securities of the Issuer by the Persons, Who Are Not Reporting Persons, Listed on Schedule A

<u>Name</u>	<u>Number of Shares Beneficially Owned</u>	<u>Percentage</u>	<u>Aggregate Cost</u>
Anthony Bergamo	10	Less than 1%	\$10.01

SCHEDULE C

Transactions in the Shares of the Issuer During the Past 60 Days

<u>Class of Security</u>	<u>Securities Purchased</u>	<u>Price (\$)</u>	<u>Date of Purchase</u>
	<u>SPH GROUP HOLDINGS LLC</u>		
Common Stock	10,000	4.5863	11/23/11

Joint Filing Agreement

In accordance with Rule 13d-1(k)(1)(iii) under the Securities Exchange Act of 1934, as amended, the persons named below agree to the joint filing on behalf of each of them of a Statement on Schedule 13D (including amendments thereto) with respect to the Common Stock, par value \$0.10, of GenCorp Inc. This Joint Filing Agreement shall be filed as an Exhibit to such Statement.

Dated: January 3, 2012

STEEL PARTNERS HOLDINGS L.P.

By: Steel Partners Holdings GP Inc.
General Partner

By: /s/ Jack L. Howard
Jack L. Howard, President

SPH GROUP LLC

By: Steel Partners Holdings GP Inc.
Managing Member

By: /s/ Jack L. Howard
Jack L. Howard, President

SPH GROUP HOLDINGS LLC

By: Steel Partners Holdings GP Inc.
Manager

By: /s/ Jack L. Howard
Jack L. Howard, President

STEEL PARTNERS HOLDINGS GP INC.

By: /s/ Jack L. Howard
Jack L. Howard, President

/s/ Jack L. Howard
JACK L. HOWARD
as Attorney-In-Fact for Warren G. Lichtenstein

POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby constitutes and appoints **Jack L. Howard** signing singly, the undersigned's true and lawful attorney-in-fact to:

1. Execute for and on behalf of the undersigned all documents relating to the business of Steel Partners Holdings L.P. including, but not limited to, all filings with the Securities and Exchange Commission, any stock exchange and any other regulatory, administrative or similar authority, and all memoranda, correspondence, communications or the like, except that such attorney-in-fact shall have no power to execute any document that has the effect of creating a financial commitment or financial obligation of Steel Partners Holdings L.P. or its affiliates.

2. Do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute any such document, complete and execute any amendment or amendments thereto, and timely file such document with the appropriate authority.

3. Take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming any of the undersigned's responsibilities to comply with any rules or regulations including federal securities laws.

This Power of Attorney shall remain in full force and effect until December 31, 2012 unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact.

[Signatures on Following Page]

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 31st day of December, 2011.

/s/ Warren G. Lichtenstein
WARREN G. LICHTENSTEIN

POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby constitutes and appoints **James F. McCabe, Jr.** signing singly, the undersigned's true and lawful attorney-in-fact to:

1. Execute for and on behalf of the undersigned all documents relating to the business of Steel Partners Holdings L.P. including, but not limited to, all filings with the Securities and Exchange Commission, any stock exchange and any other regulatory, administrative or similar authority, and all memoranda, correspondence, communications or the like, except that such attorney-in-fact shall have no power to execute any document that has the effect of creating a financial commitment or financial obligation of Steel Partners Holdings L.P. or its affiliates.
2. Do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute any such document, complete and execute any amendment or amendments thereto, and timely file such document with the appropriate authority.
3. Take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming any of the undersigned's responsibilities to comply with any rules or regulations including federal securities laws.

This Power of Attorney shall remain in full force and effect until December 31, 2012 unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact.

[Signatures on Following Page]

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 31st day of December, 2011.

/s/ Warren G. Lichtenstein
WARREN G. LICHTENSTEIN

POWER OF ATTORNEY

Know all by these presents, that each of the undersigned hereby constitutes and appoints **Sanford Antignas** signing singly, the undersigned's true and lawful attorney-in-fact to:

1. Execute for and on behalf of the undersigned all documents relating to the business of Steel Partners Holdings L.P. including, but not limited to, all filings with the Securities and Exchange Commission, any stock exchange and any other regulatory, administrative or similar authority, and all memoranda, correspondence, communications or the like, except that such attorney-in-fact shall have no power to execute any document that has the effect of creating a financial commitment or financial obligation of Steel Partners Holdings L.P. or its affiliates.
2. Do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute any such document, complete and execute any amendment or amendments thereto, and timely file such document with the appropriate authority.
3. Take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming any of the undersigned's responsibilities to comply with any rules or regulations including federal securities laws.

This Power of Attorney shall remain in full force and effect until December 31, 2012 unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact.

[Signatures on Following Page]

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 31st day of December, 2011.

STEEL PARTNERS HOLDINGS L.P.

By: Steel Partners Holdings GP Inc.
General Partner

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

SPH GROUP LLC

By: Steel Partners Holdings GP Inc.
Managing Member

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

SPH GROUP HOLDINGS LLC

By: Steel Partners Holdings GP Inc.
Manager

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

STEEL PARTNERS HOLDINGS GP INC.

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

/s/ Warren G. Lichtenstein
WARREN G. LICHTENSTEIN

POWER OF ATTORNEY

Know all by these presents, that each of the undersigned hereby constitutes and appoints **Steven Wolosky** signing singly, the undersigned's true and lawful attorney-in-fact to:

1. Execute for and on behalf of the undersigned all documents relating to the business of Steel Partners Holdings L.P. including, but not limited to, all filings with the Securities and Exchange Commission, any stock exchange and any other regulatory, administrative or similar authority, and all memoranda, correspondence, communications or the like, except that such attorney-in-fact shall have no power to execute any document that has the effect of creating a financial commitment or financial obligation of Steel Partners Holdings L.P. or its affiliates.
2. Do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute any such document, complete and execute any amendment or amendments thereto, and timely file such document with the appropriate authority.
3. Take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming any of the undersigned's responsibilities to comply with any rules or regulations including federal securities laws.

This Power of Attorney shall remain in full force and effect until December 31, 2012 unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact.

[Signatures on Following Page]

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 31st day of December, 2011.

STEEL PARTNERS HOLDINGS L.P.

By: Steel Partners Holdings GP Inc.
General Partner

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

SPH GROUP LLC

By: Steel Partners Holdings GP Inc.
Managing Member

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

SPH GROUP HOLDINGS LLC

By: Steel Partners Holdings GP Inc.
Manager

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

STEEL PARTNERS HOLDINGS GP INC.

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

/s/ Warren G. Lichtenstein
WARREN G. LICHTENSTEIN

POWER OF ATTORNEY

Know all by these presents, that each of the undersigned hereby constitutes and appoints **Leonard McGill** signing singly, the undersigned's true and lawful attorney-in-fact to:

1. Execute for and on behalf of the undersigned all documents relating to the business of Steel Partners Holdings L.P. including, but not limited to, all filings with the Securities and Exchange Commission, any stock exchange and any other regulatory, administrative or similar authority, and all memoranda, correspondence, communications or the like, except that such attorney-in-fact shall have no power to execute any document that has the effect of creating a financial commitment or financial obligation of Steel Partners Holdings L.P. or its affiliates.
2. Do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute any such document, complete and execute any amendment or amendments thereto, and timely file such document with the appropriate authority.
3. Take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this Power of Attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming any of the undersigned's responsibilities to comply with any rules or regulations including federal securities laws.

This Power of Attorney shall remain in full force and effect until December 31, 2012 unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact.

[Signatures on Following Page]

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 31st day of December, 2011.

STEEL PARTNERS HOLDINGS L.P.

By: Steel Partners Holdings GP Inc.
General Partner

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

SPH GROUP LLC

By: Steel Partners Holdings GP Inc.
Managing Member

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

SPH GROUP HOLDINGS LLC

By: Steel Partners Holdings GP Inc.
Manager

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

STEEL PARTNERS HOLDINGS GP INC.

By: /s/ Warren G. Lichtenstein
Warren G. Lichtenstein
Chief Executive Officer

/s/ Warren G. Lichtenstein
WARREN G. LICHTENSTEIN