### GOLDMAN SACHS ASSET MANAGEMENT LP Form SC 13D/A March 03, 2010

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

SCHEDULE 13D/A Under the Securities Exchange Act of 1934

(Amendment No. 2)

GSI Group Inc.

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(Name of Issuer)

Common Stock, no par value

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(Title of Class of Securities)

36229U102

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(CUSIP Number)

Ellen Porges, Esq.
Goldman Sachs Asset Management
One New York Plaza
New York, NY 10004
212-902-1000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

February 26, 2010

\_\_\_\_\_

(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 Rule 13d-1(e), 13d-1(f) or 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 Rule 13d-7 for other parties to whom copies are to be sent.

(Continued on following pages)
(Page 1 of 6 Pages)

<sup>\*</sup> 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).

CUSIP No. 36	5229U102	SCHEDULE 13D/A	Page 2 of 6 Pages		
1	NAME OF RE	 PORTING PERSON			
	(Goldman S	achs Asset Management achs Asset Management, L.P. Strategies, LLC, "Goldman S			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)  _  (b)  X				
3	SEC USE ON	 LY			
4	SOURCE OF	FUNDS			
	AF				
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)  _				
6	CITIZENSHIP OR PLACE OF ORGANIZATION				
	Delaware				
NUMBER OF	7	SOLE VOTING POWER			
SHARES		0			
BENEFICIALLY	8	SHARED VOTING POWER			
OWNED		1,534,369			
BY EACH	9	SOLE DISPOSITIVE POWER			
REPORTING		0			
PERSON	10	SHARED DISPOSITIVE POWER			
		1,534,369			
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	1,534,369				
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  _				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 11				
	3.2% (see Item 4)				
14	TYPE OF REPORTING PERSON IA				

CUSIP No. 36	5229U102	SCHEDULE 13D/A	Page 3 of 6 Pages		
1	NAME OF RE	PORTING PERSON			
	Liberty Ha	rbor I GP, LLC			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)  _  (b)  X				
3	SEC USE ONLY				
4	SOURCE OF FUNDS				
	AF				
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)  _				
6	CITIZENSHIP OR PLACE OF ORGANIZATION				
	Delaware				
NUMBER OF	7	SOLE VOTING POWER			
SHARES		0			
BENEFICIALLY	8	SHARED VOTING POWER			
OWNED		1,534,369			
BY EACH	9	SOLE DISPOSITIVE POWER			
REPORTING		0			
PERSON	10	SHARED DISPOSITIVE POWER			
		1,534,369			
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	1,534,369				
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  _				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 11				
	3.2% (see Item 4)				
14	TYPE OF REPORTING PERSON IA				

CUSIP No. 36		SCHEDULE 13D/A	Page 4 of 6 Pages		
1	NAME OF REI	PORTING PERSON			
	Liberty Harbor Master Fund I, L.P.				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a)  _  (b)  X				
3	SEC USE ON	 LY			
4	SOURCE OF FUNDS				
	WC				
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)  _				
6	CITIZENSHIP OR PLACE OF ORGANIZATION				
	Cayman Islands				
NUMBER OF	7	SOLE VOTING POWER			
SHARES		0			
BENEFICIALLY	8	SHARED VOTING POWER			
OWNED		1,534,369			
BY EACH	9 SOLE DISPOSITIVE POWER				
REPORTING		0			
PERSON	10	SHARED DISPOSITIVE POWER			
		1,534,369			
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
	1,534,369				
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES  _				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 11				
	3.2% (see				
14	TYPE OF REPORTING PERSON IA				

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#### ITEM 1. SECURITY AND ISSUER

This Amendment No. 2 (the "Amendment") amends the statement on Schedule 13D filed on July 9, 2009 (the "Original Schedule 13D", as amended hereby and by Amendment No. 1 filed on November 20, 2009, the "Schedule 13D") with respect to the common stock, no par value (the "Common Stock"), of GSI Group Inc., a company continued and existing under the laws of the Province of New Brunswick, Canada (the "Issuer"). Capitalized terms used herein and not otherwise defined in this Amendment have the meanings set forth in the Original Schedule 13D and Amendment No. 1. This Amendment amends Items 4 and 5(c) as set forth below.

#### ITEM 4. PURPOSE OF TRANSACTION

Item 4 of the Schedule 13D is hereby amended and supplemented by the addition of the following:

As previously disclosed, the Reporting Persons continue to have discussions with the Issuer and other shareholders regarding the Reporting Persons' investment and implementation of the Chapter 11 plan of reorganization filed as Exhibit A of Exhibit 10.1 of the Current Report on Form 8-K filed by the Issuer on November 20, 2009 (the "Plan"). In furtherance of this, the Reporting Persons have entered into discussions with the Issuer and members of the Equity Committee regarding the Plan and possible modifications to the Plan, including, without limitation, exchanging the Notes for any combination of one or more of the following: new secured debt, notes convertible into common stock of the reorganized issues, preferred stock convertible into common stock of the reorganized issues, common stock of the reorganized issues, common stock of the reorganized issues and/or cash. The Reporting Persons are unsure about the ultimate outcome of such discussions or the timing of coming to agreement.

Item 5(c) of the Schedule 13D is hereby amended and restated as follows:

(c) No transactions in the Common Stock were effected by the Reporting Persons or, to the knowledge of any of the Reporting Persons, any of the persons listed on Schedule I-A or Schedule I-B hereto, during the sixty day period prior to the Date of Event that requires filing this statement on Schedule 13D, as amended.

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Signature

After reasonable inquiry and to the best of my knowledge and belief,  ${\tt I}$  certify that the information set forth in this statement is true, complete and correct.

Dated: March 3, 2010

GOLDMAN SACHS ASSET MANAGEMENT, L.P.

By: /s/ Yvette Kosic

Name: Yvette Kosic
Title: Attorney-in-fact

GS INVESTMENT STRATEGIES, LLC

By: /s/ Yvette Kosic

Name: Yvette Kosic
Title: Attorney-in-fact

LIBERTY HARBOR I GP, LLC

By: /s/ Yvette Kosic

Name: Yvette Kosic Title: Attorney-in-fact

LIBERTY HARBOR MASTER FUND I, L.P.

By: LIBERTY HARBOR I GP, LLC, ITS GENERAL PARTNER

By: /s/ Yvette Kosic

Name: Yvette Kosic

Name: Yvette Kosic
Title: Attorney-in-fact