Invesco Senior Income Trust Form N-CSRS November 08, 2013

OMB APPROVAL OMB Number: 3235-0570

ONID (Validoc): 3233 0370

Expires: January 31, 2014

Estimated average burden

hours per response: 20.6

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED

MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-08743

Invesco Senior Income Trust

(Exact name of registrant as specified in charter)

1555 Peachtree Street, N.E.,

Atlanta, Georgia 30309

(Address of principal executive offices) (Zip code)

Colin Meadows

1555 Peachtree Street, N.E.,

Atlanta, Georgia 30309

(Name and address of agent for service)

Registrant s telephone number, including area code: (713) 626-1919

Date of fiscal year end: 2/28

Date of reporting period: 08/31/13

Item 1. Report to Stockholders.

Semiannual Report to Shareholders

August 31, 2013

Invesco Senior Income Trust

NYSE: VVR

- 2 Trust Performance
- 2 Portfolio Management Update
- 3 Dividend Reinvestment Plan
- 4 Schedule of Investments
- 20 Financial Statements
- Notes to Financial Statements
- 30 Financial Highlights
- 32 Approval of Investment Advisory and Sub-Advisory Contracts
- 34 Proxy Results

Unless otherwise noted, all data provided by Invesco.

NOT FDIC INSURED | MAY LOSE VALUE | NO BANK GUARANTEE

Trust Performance

Performance summary

Cumulative total returns, 2/28/13 to 8/31/13

Trust at NAV	4.00%
Trust at Market Value	-3.10
CS Leveraged Loan Index	2.40

Market Price Premium to NAV as of 8/31/13

0.38

Source: Invesco, Bloomberg L.P.

The performance data quoted represent past performance and cannot guarantee comparable future results; current performance may be lower or higher. Investment return, net asset value (NAV) and common share market price will fluctuate so that you may have a gain or loss when you sell shares. Please visit invesco.com/us for the most recent month-end performance. Performance figures reflect Trust expenses, the reinvestment of distributions (if any) and changes in NAV for performance based on NAV and changes in market price for performance based on market price.

Since the Trust is a closed-end management investment company, shares of the Trust may trade at a discount or premium from the NAV. This characteristic is separate and distinct from the risk that NAV could decrease as a result of investment activities and may be a greater risk to investors expecting to sell their shares after a short time. The Trust cannot predict whether shares will trade at, above or below NAV. The Trust should not be viewed as a vehicle for trading purposes. It is designed primarily for risk-tolerant long-term investors.

The **CS** Leveraged Loan Index represents tradable, senior-secured, US-dollar-denominated, noninvestment-grade loans.

The Trust is not managed to track the performance of any particular index, including the index described here, and consequently, the performance of the Trust may deviate significantly from the performance of the index.

A direct investment cannot be made in an index. Unless otherwise indicated, index results include reinvested dividends, and they do not reflect sales charges.

Portfolio Management Update

The following individuals are jointly and primarily responsible for the day-to-day management of Invesco Senior Income Trust:

Scott Baskind, portfolio manager, is manager of Invesco Senior Income Trust. He has been associated with Invesco or its investment advisory affiliates since 1999 and began managing the Trust in 2013. Mr. Baskind earned a BS in business administration from University at Albany, The State University of New York.

Thomas Ewald, portfolio manager, is manager of Invesco Senior Income Trust. He has been associated with Invesco or its investment advisory affiliates since 2000 and began managing the Trust in 2010. He earned a BA from Harvard College and an MBA from the University of Virginia Darden School of Business.

Philip Yarrow, Chartered Financial Analyst, portfolio manager, is manager of Invesco Senior Income Trust. He joined Invesco in 2010. Mr. Yarrow was associated with the Trust s previous investment adviser or its investment advisory affiliates from 2005 to 2010 and began managing the Trust in 2007. He earned a BS in mathematics and economics from the University of Nottingham and a Master of Management degree in finance from Northwestern University.

NYSE Symbol VVR

2 Invesco Senior Income Trust

Dividend Reinvestment Plan

The dividend reinvestment plan (the Plan) offers you a prompt and simple way to reinvest your dividends and capital gains distributions (Distributions) into additional shares of your Invesco closed-end Trust (the Trust). Under the Plan, the money you earn from Distributions will be reinvested automatically in more shares of the Trust, allowing you to potentially increase your investment over time. All shareholders in the Trust are automatically enrolled in the Plan when shares are purchased.

Plan benefits

n Add to your account:

You may increase your shares in your Trust easily and automatically with the Plan.

n Low transaction costs:

Shareholders who participate in the Plan may be able to buy shares at below-market prices when the Trust is trading at a premium to its net asset value (NAV). In addition, transaction costs are low because when new shares are issued by the Trust, there is no brokerage fee, and when shares are bought in blocks on the open market, the per share fee is shared among all participants.

n Convenience:

You will receive a detailed account statement from Computershare Trust Company, N.A. (the Agent), which administers the Plan. The statement shows your total Distributions, date of investment, shares acquired, and price per share, as well as the total number of shares in your reinvestment account. You can also access your account at invesco.com/us.

n Safekeeping:

The Agent will hold the shares it has acquired for you in safekeeping.

Who can participate in the Plan

If you own shares in your own name, your purchase will automatically enroll you in the Plan. If your shares are held in street name in the name of your brokerage firm, bank, or other financial institution you must instruct that entity to participate on your behalf. If they are unable to participate on your behalf, you may request that they reregister your shares in your own name so that you may enroll in the Plan.

How to enroll

If you haven t participated in the Plan in the past or chose to opt out, you are still eligible to participate. Enroll by visiting invesco.com/us, by calling toll-free 800 341 2929 or by notifying us in writing at Invesco Closed-End Funds, Computershare Trust Company, N.A. P.O. Box 43078, Providence, RI 02940-3078. If you are writing to us, please include the Trust name and account number and ensure that all shareholders listed on the account sign these written instructions. Your participation in the Plan will begin with the next Distribution payable after the Agent receives your authorization, as long as they receive it before the record date, which is generally 10 business days before the Distribution is paid. If your authorization arrives after such record date, your participation in the Plan will begin with the following Distribution.

How the Plan works

If you choose to participate in the Plan, your Distributions will be promptly reinvested for you, automatically increasing your shares. If the Trust is trading at a share price that is equal to its NAV, you ll pay that amount for your reinvested shares. However, if the Trust is trading above or below NAV, the price is determined by one of two ways:

- 1. Premium: If the Trust is trading at a premium a market price that is higher than its NAV you ll pay either the NAV or 95 percent of the market price, whichever is greater. When the Trust trades at a premium, you may pay less for your reinvested shares than an investor purchasing shares on the stock exchange. Keep in mind, a portion of your price reduction may be taxable because you are receiving shares at less than market price.
- 2. Discount: If the Trust is trading at a discount a market price that is lower than its NAV you ll pay the market price for your reinvested shares.

Costs of the Plan

There is no direct charge to you for reinvesting Distributions because the Plan s fees are paid by the Trust. If the Trust is trading at or above its NAV, your new shares are issued directly by the Trust and there are no brokerage charges or fees. However, if the Trust is trading at a discount, the shares are purchased on the open market, and you will pay your portion of any per share fees. These per share fees are typically less than the standard brokerage charges for individual transactions because shares are purchased for all participants in blocks, resulting in lower fees for each individual participant. Any service or per share fees are added to the purchase price. Per share fees include any applicable brokerage commissions the Agent is required to pay.

Tax implications

The automatic reinvestment of Distributions does not relieve you of any income tax that may be due on Distributions. You will receive tax information annually to help you prepare your federal income tax return.

Invesco does not offer tax advice. The tax information contained herein is general and is not exhaustive by nature. It was not intended or written to be used, and it cannot be used, by any taxpayer for avoiding penalties that may be imposed on the taxpayer under US federal tax laws. Federal and state tax laws are complex and constantly changing. Shareholders should always consult a legal or tax adviser for information concerning their individual situation.

How to withdraw from the Plan

You may withdraw from the Plan at any time by calling 800 341 2929, by visiting invesco.com/us or by writing to Invesco Closed-End Funds, Computershare Trust Company, N.A., P.O. Box 43078, Providence, RI 02940-3078. Simply indicate that you would like to withdraw from the Plan, and be sure to include your Trust name and account number. Also, ensure that all shareholders listed on the account sign these written instructions. If you withdraw, you have three options with regard to the shares held in the Plan:

- 1. If you opt to continue to hold your non-certificated whole shares (Investment Plan Book Shares), they will be held by the Agent electronically as Direct Registration Book-Shares (Book-Entry Shares) and fractional shares will be sold at the then-current market price. Proceeds will be sent via check to your address of record after deducting applicable fees, including per share fees such as any applicable brokerage commissions the Agent is required to pay.
- 2. If you opt to sell your shares through the Agent, we will sell all full and fractional shares and send the proceeds via check to your address of record after deducting a \$2.50 service fee and per share fees. Per share fees include any applicable brokerage commissions the Agent is required to pay.
- 3. You may sell your shares through your financial adviser through the Direct Registration System (DRS). DRS is a service within the securities industry that allows Trust shares to be held in your name in electronic format. You retain full ownership of your shares, without having to hold a share certificate. You should contact your financial adviser to learn more about any restrictions or fees that may apply.

The Trust and Computershare Trust Company, N.A. may amend or terminate the Plan at any time. Participants will receive at least 30 days written notice before the effective date of any amendment. In the case of termination, Participants will receive at least 30 days written notice before the record date for the payment of any such Distributions by the Trust. In the case of amendment or termination necessary or appropriate to comply with applicable law or the rules and policies of the Securities and Exchange Commission or any other regulatory authority, such written notice will not be required.

To obtain a complete copy of the current Dividend Reinvestment Plan, please call our Client Services department at 800 341 2929 or visit invesco.com/us.

3 Invesco Senior Income Trust

Schedule of Investments

August 31, 2013

(Unaudited)

			Principal	
	Interest	Maturity	Amount	
	Rate	Date	(000)	Value
Variable Rate Senior Loan Interests 122.35%)(b)				
Aerospace & Defense 2.94%				
Atlantic Aviation FBO Inc., Term Loan	3.25%	06/01/20	\$ 106	\$ 105,745
CAMP International Holding Co., First Lien Term Loan	5.25%	05/31/19	1,041	1,053,622
DAE Aviation Holdings, Inc.,				
Term Loan B-1	6.25%	10/29/18	2,388	2,417,706
Term Loan B-2	6.25%	11/02/18	1,082	1,096,027
IAP Worldwide Services, First Lien Term Loan	10.00%	12/31/15	5,704	3,136,943
Landmark U.S. Holdings LLC,				
Canadian Term Loan	5.75%	10/25/19	265	267,628
First Lien Term Loan	5.75%	10/25/19	3,131	3,158,014
LMI Aerospace, Inc., Term Loan	4.75%	12/28/18	598	595,291
PRV Aerospace, LLC, Term Loan	6.50%	05/09/18	2,900	2,922,095
Sequa Corp., Term Loan	5.25%	06/19/17	3,365	3,389,899
Transdigm Inc., Term Loan C	3.75%	02/28/20	9,310	9,323,731
				27,466,701
Air Transport 1.96%				
American Airlines, Inc., Term Loan B	4.75%	06/27/19	5,586	5,533,783
Delta Air Lines, Inc.,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- , ,
Revolver Loan ^(c)	0.00%	04/20/16	7,316	6,949,787
Revolver Loan ^(d)		10/18/17	1,076	995,132
Revolver Term Loan B-1	4.00%	10/18/18	4,493	4,514,969
United Continental Holdings, Inc., Term Loan B	4.00%	04/01/19	308	309,063
8-, -,				18,302,734
Automotive 5.14%				, ,
	4 7507	04/27/20	026	029 420
Affinia Group Inc., Term Loan B-2	4.75%	04/2//20	926	928,439
August U.S. Holding Co., Inc., First Lien Term Loan B-1 (Acquired 05/03/12; Cost				
	5 000	04/27/19	010	010 550
\$804,722)	5.00%	04/27/18	818 250	818,558
Second Lien Term Loan	10.50%	04/29/19 04/29/19		253,280
Second Lien Term Loan Term Lear P. 1 (Appring d 05/02/12) Coat \$610.026)	10.50%		763	773,531
Term Loan B-1 (Acquired 05/03/12; Cost \$619,026)	5.00%	04/27/18	629	629,674
Autoparts Holdings Ltd., First Lien Term Loan	6.50%	07/28/17	946	913,237
BBB Industries, LLC, Term Loan	5.50%	03/27/19	2,880	2,891,021
Federal-Mogul Corp.,	2.120	12/20/14	2.410	2 2 4 2 0 7 7
Term Loan B	2.13%	12/29/14	3,418	3,342,077

Edgar Filing: Invesco Senior Income Trust - Form N-CSRS

Term Loan C	2.13%	12/28/15	2,377	2,323,792
Goodyear Tire & Rubber Co., Second Lien Term Loan	4.75%	04/30/19	3,088	3,112,831
Hertz Corp. (The),				
LOC (Acquired 03/14/11; Cost \$1,473,130)	2.75%	03/09/18	1,497	1,493,738
Term Loan B-1	3.75%	03/12/18	762	764,877
KAR Auction Services, Inc., Term Loan	3.75%	05/19/17	4,712	4,742,440
Key Safety Systems, Inc., Term Loan	4.75%	05/09/18	2,262	2,288,148
Keystone Automotive Operations, Inc., First Lien Term				
Loan	7.00%	08/15/19	1,502	1,509,636
Metaldyne, LLC, Term Loan	5.00%	12/18/18	2,660	2,685,488
Schaeffler AG (Germany), Term Loan C	4.25%	01/27/17	4,325	4,343,597
TI Group Automotive Systems, LLC, Term Loan	5.50%	03/27/19	6,202	6,232,881
Tower Automotive Holdings USA, LLC, Term Loan	4.75%	04/23/20	3,946	3,973,450

See accompanying Notes to Financial Statements which are an integral part of the financial statements.

4 Invesco Senior Income Trust

			Principal	
	Interest	Maturity	Amount	
	Rate	Date	(000)	Value
Automotive (continued)				
Transtar Holding Co.,				
First Lien Term Loan	5.50%	10/09/18	\$ 3,262	\$ 3,292,390
Second Lien Term Loan	9.75%	10/09/19	728	742,463
				48,055,548
Beverage and Tobacco 0.34%				
North American Breweries Holdings, LLC, Term Loan	7.50%	12/11/18	3,151	3,182,836
Building & Development 3.90%				
Axia Inc.,				
PIK Second Lien Term Loan A (Acquired				
05/30/08-06/28/13; Cost \$3,141,492) ^{(e)(f)}	5.00%	03/11/16	1,191	1,149,227
Revolver Loan ^{(c)(e)}	0.00%	03/11/16	2,062	1,948,596
Second Lien Term Loan B (Acquired 05/30/08; Cost				
\$5,515,342) ^(e)	5.00%	03/12/16	1,918	1,850,689
Building Materials Holding Corp., PIK Second Lien Term				
Loan(f)	8.00%	01/05/15	4,441	4,374,289
Capital Automotive L.P.,				
Second Lien Term Loan	6.00%	04/30/20	2,598	2,669,309
Term Loan B-1	4.00%	04/10/19	3,425	3,448,006
CBRE Services, Inc., Term Loan B	2.94%	03/29/21	919	920,116
CPG International Inc., Term Loan	5.75%	09/18/19	605	611,636
Custom Building Products, Inc., Term Loan	6.00%	12/12/19	3,480	3,490,788
HD Supply Inc., Term Loan	4.50%	10/12/17	4,267	4,289,147