Pioneer Diversified High Income Trust Form N-CSR December 28, 2012

OMB APPROVAL

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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 811-22014

Pioneer Diversified High Income Trust (Exact name of registrant as specified in charter)

60 State Street, Boston, MA 02109 (Address of principal executive offices) (ZIP code)

Terrence J. Cullen, Pioneer Investment Management, Inc., 60 State Street, Boston, MA 02109 (Name and address of agent for service)

Registrant's telephone number, including area code: (617) 742-7825

Date of fiscal year end: April 30

Date of reporting period: May 1, 2012 through October 31, 2012

Form N-CSR is to be used by management investment companies to file reports with the Commission not later than 10 days after the transmission to stockholders of any report that is required to be transmitted to stockholders under Rule 30e-1 under the Investment Company Act of 1940 (17 CFR 270.30e-1). The Commission may use the information provided on Form N-CSR in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-CSR, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-CSR unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. ss. 3507.

ITEM 1. REPORTS TO SHAREOWNERS.

Pioneer Diversified High Income Trust

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Semiannual Report | October 31, 2012

\_\_\_\_\_\_

Ticker Symbol: HNW

[LOGO] PIONEER

Invesments (R)

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President's Letter

Dear Shareowner,

The U.S. stock market rallied sharply through the third quarter of 2012 amid a sluggish, but nonetheless growing, U.S. economy. We have been cautiously optimistic about the U.S. from the start of the year, and the economic data continue to be encouraging. The housing and auto sectors are benefitting from record-low interest rates. The climate for consumer and business credit has improved, and inflation appears to be subdued. While corporate profits slowed in the third quarter, many U.S. companies continue to have strong balance sheets and to pay attractive dividends\* compared to fixed-income securities.

All of these factors contributed to gains for investors who owned riskier assets, including equities and higher-yielding corporate bonds. Year to date through the end of the third quarter, the Standard & Poor's 500 Index returned 16.35%. In fixed income, the Bank of America Merrill Lynch High Yield Master II Index was up by 12.02% during the same period, while the Barclays Capital Aggregate Bond Index gained 3.99%. Treasury bonds, by contrast, generated a comparatively sluggish return of 1.70%, as measured by the Barclays Capital Intermediate Treasuries Index.

Despite this generally positive picture during the first three quarters of 2012, investors face powerful macroeconomic challenges in the months ahead. These include the threat of a so-called "fiscal cliff" in the U.S. budget process after the November elections, the European sovereign-debt crisis, and slowing growth in both Europe and China. Investors can continue to count on market volatility tied to these factors, although we remain optimistic that the underlying economic trends are moving in the right direction.

At Pioneer, we have long advocated the benefits of staying diversified and investing for the long term. And while diversification alone does not assure a profit or protect against loss in a declining market, we believe in actively seeking out opportunities in undervalued securities and sectors around the globe. Our advice, as always, is to work closely with a trusted financial advisor to discuss your goals and work together to develop an investment strategy that meets your individual needs. There is no single best strategy that works for every investor.

\* Dividends are not guaranteed.

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Pioneer's investment professionals focus on finding good opportunities in both equity and bond markets using the same disciplined investment approach we have used since 1928. Our strategy is to identify undervalued individual securities with the greatest potential for success, carefully weighing risk against reward. Our teams of investment professionals continually monitor and analyze the relative valuations of different sectors and securities globally to help build portfolios that we believe can help you achieve your investment goals.

We invite you to learn more about Pioneer and our time-tested approach to investing by consulting with your financial advisor or visiting us online at us.pioneerinvestments.com. We greatly appreciate your trust in us, and we thank you for investing with Pioneer.

Sincerely,

/s/ Daniel K. Kingsbury

Daniel K. Kingsbury President and CEO Pioneer Investment Management USA, Inc.

Any information in this shareowner report regarding market or economic trends or the factors influencing the Trust's historical or future performance are statements of opinion as of the date of this report. These statements should not be relied upon for any other purposes. Past performance is no guarantee of future results, and there is no guarantee that market forecasts discussed will be realized.

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Portfolio Management Discussion | 10/31/12

Market demands for higher yields available in the credit-sensitive sectors remained strong for most of the six months ended October 31, 2012, despite periodic concerns about economic weakness in the U.S., slowing growth in China and sovereign-debt problems in Europe. As a consequence, high-yield corporate bonds and other credit-linked securities continued to generate healthy returns. In the following interview, Andrew Feltus discusses the factors that affected the Pioneer Diversified High Income Trust's performance during the six months ended October 31, 2012. Mr. Feltus, senior vice president and portfolio manager at Pioneer, and a member of Pioneer's fixed-income team, is responsible for the day-to-day management of the Trust.

- Q How did the Trust perform during the six months ended October 31, 2012?
- Pioneer Diversified High Income Trust produced a total return of 8.03% at net asset value, and 6.84% at market price during the six months ended October 31, 2012. During the same period, the Trust's custom benchmark returned 5.84%. The custom benchmark is based on equal weightings of the Bank of America Merrill Lynch Global High Yield and Emerging Markets Plus Index, which returned 7.93%, and the Credit Suisse Leveraged Loan Index, which returned 3.75%. During the same six-month period, the average return (at market price) of the 38 closed end funds in Lipper's High Current Yield Closed End Funds category (which may or may not be leveraged) was 6.50%.

Unlike the Trust, the custom benchmark does not use leverage. While the use of leverage can increase investment opportunity, it also can increase investment risk.

The shares of the Trust were selling at a 2.0% premium to net asset value on October 31, 2012.

On October 31, 2012, the standardized 30-day SEC yield on the Trust's shares was 10.04%.

- Q How would you describe the investment environment during the six months ended October 31, 2012?
- A Credit-sensitive, high-yielding bonds outperformed the higher-quality sectors of the fixed-income market during the six months ended October 31, 2012. The period's only downturn in the credit sectors came in May 2012, the first month of the period, when the sovereign-debt problems in Greece, Spain, and several other European nations fed investors' fears about the potential contagion effects that a recession in Europe could have
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on the world economy. The concerns were compounded further when some corporations in the United States began announcing disappointing profits.

Amid the worries about economic weakness, corporate bonds and other credit-sensitive securities produced lackluster results through much of the summer of 2012, until the announcements by major central banks—particularly the European Central Bank (ECB) and the U.S. Federal Reserve System (the Fed)—of their intentions to inject more liquidity into the global financial system in an effort to stimulate economic growth and encourage job creation. The ECB announced in August 2012 that it could become more active in buying the short-term debt of peripheral European nations, including Greece and Spain, in an effort to keep borrowing rates low for national governments on the Continent. Shortly after that, the Fed

announced its third round of quantitative easing ("QE3") in an effort to encourage lower long-term interest rates through the purchasing of mortgage-backed securities in the open market. Additionally, monetary authorities in China announced that they also were lowering short-term interest rates and easing credit conditions.

The central banks' announcements helped trigger a sharp rally in the financial markets, and high-yield and other credit-sensitive securities rallied through the end of the period (October 31, 2012), outperforming higher-quality securities.

While economic benchmarks did not signal robust growth, evidence of improving economic conditions and progress in new-job creation were sufficient to dampen investors' fears that the world economy might fall into a double-dip recession. U.S. high-yield bonds performed very well during the market rally, but the strongest returns came from emerging market debt, which rebounded sharply after producing lackluster returns earlier in the period.

- Q How did you manage the Trust in the prevailing market environment during the six months ended October 31, 2012, and how did the Trust's positioning influence its performance during the period?
- A Domestic high-yield corporate bonds represented the largest component of the Trust's total investment portfolio during the period, and those investments helped to drive the Trust's outperformance of its customized benchmark. The Trust also had exposure to emerging market debt, a positioning which also aided relative performance during the period, as the asset class performed very well (apart from Argentina). The Trust's exposures to event-linked (so-called "catastrophe") bonds issued by property-and-casualty companies, and to bank loans, also made positive

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contributions to absolute returns during the period. The Trust's catastrophe bonds tended to be a drag on benchmark-relative performance, however, as their returns trailed those generated by domestic high-yield bonds and emerging market investments. In what was a generally rising market during the period, the Trust's use of leverage had a positive impact on the Trust's total return as well as its dividend yield\*.

At the end of the six-month period, on October 31, 2012, 32.5% of the Trust's total investment portfolio was allocated to U.S. high-yield corporate bonds, and another 1.8% was allocated to U.S. investment-grade corporates. In addition, 19.8% of the Trust's total investment portfolio was invested in floating-rate bank loans, 18.7% was invested in catastrophe bonds, 12.6% was held in emerging market debt, and 9.6% of the Trust's total investment portfolio was allocated to international high-yield investments.

Regarding the Trust's currency positioning, 96.4% of the Trust's currency-related holdings were in U.S. dollar-denominated investments.

- What were some of the individual investments that affected the Trust's performance during the six months ended October 31, 2012?
- A The Trust's investments in the emerging markets generally were very successful during the period. Among individual holdings in the emerging markets, the Trust's top performers were the debt of MIE Holdings, a Chinese energy company; Bio Pappel, a Mexican packaging company; and Vedanta Resources, an Indian metals and mining corporation. In addition,

the Trust holdings in securities issued by Cemex, the Mexico-based global building materials corporation, appreciated during the period after the company strengthened its balance sheet by spinning off part of its U.S. operations. Among the Trust's U.S. holdings, the debt of packaging company BWAY gained in value when the company received a buyout proposal from private-equity investors. In Europe, the Trust's investment in the bonds of Basell Finance, a subsidiary of the Dutch chemical company LyondellBasell, fared well as the company improved its finances and appeared to be moving toward a potential investment-grade rating.

Among the Trust's disappointing investments during the six-month period were holdings of the securities of KV Pharmaceutical, a U.S. company that encountered unexpected competition when other drug companies started producing a combination drug product for which KV believed it had exclusive production rights. The FDA had granted KV market exclusivity for one of its drugs in 2011, but the company's pricing strategy led to a backlash from the OB/GYN community, and the FDA stated that it would not prevent compounding pharmacies from selling a much cheaper version of the drug.

\* Dividends are not guaranteed.

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The Trust's exposure to Argentina also detracted from results during the period. The Trust's holdings of the debt of two Argentinian companies, Banco Macro and Edenor, declined in value when the market reacted negatively to some of the Argentinian national government's policies, particularly the nationalization of energy firm YPF, a subsidiary of Spanish firm Repsol.

- Q Did the use of derivatives affect the Trust performance during the six months ended October 31, 2012?
- A During the period, the Trust invested in some currency forward contracts, which were used to reduce the risks of changes in the relative values of currencies. The contracts had a slightly positive effect on the Trust's performance.
- Q Did the level of leverage employed by the Trust change over the six months ended October 31, 2012?
- At the end of the six months, 29.3% of the Trust's total managed assets were financed by leverage, compared with 30.0% of the Trust's total managed assets leveraged at the start of the period on May 1, 2012. The decrease was due to fluctuations in the value of securities in which the Trust had invested.
- Q What is your investment outlook?
- The short-term outlook is clouded by uncertainties about whether the United States' elected leaders in Washington can reach an agreement on solving the approaching "fiscal cliff" scenario. At the conclusion of the national elections, the President and the Congress faced three significant financial challenges: potentially increasing the nation's debt ceiling; sequestration, which calls for unspecified, but deep and automatic across-the-board spending cuts in the absence of some budget agreement; and the expiration of the Bush-era tax cuts. The automatic spending cuts and the expiration of the Bush-era tax cuts both were scheduled to occur at the end of 2012.

If there is a successful resolution to the debate over the looming policy

issues, we believe we should see less volatility in the markets and a return to a focus on fundamental investment principles. While the U.S. economy's growth, as measured by gross domestic product (GDP), clearly slowed in the first and second quarters of 2012, we believe the prospects for improving conditions are good. In fact, estimated GDP growth for the third quarter recently was revised upward to roughly 2.7%. The more accommodative policy stances taken by the major central banks in the U.S., Europe, China and Japan also should help to encourage economic expansion and an improvement in corporate profits.

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In an environment of extremely low interest rates, we think there should be continuing investor appetite for corporate bonds and other credit-sensitive securities that offer yield premiums over high-grade debt. Nevertheless, the currently low absolute level of interest rates does limit the total return potential of fixed-income investments in general.

In addition to our emphasis on corporate bonds in the Trust's portfolio, we continue to favor having some Trust exposures to bank loans and catastrophe bonds, both of which feature floating interest rates. Although the two groups did not perform as well as high-yield bonds during the past six months ended October 31, 2012, we believe their prospects should improve over the next two-to-three years, especially if interest rates start to rise and floating-rate securities start paying out higher yields. Catastrophe bonds also may fare well in the shorter term, as they were not seriously affected by the recent hurricane season. Even October's devastating Hurricane Sandy did not have a major impact on catastrophe bonds, as private insurers did not bear most of the effects of the damage inflicted on the U.S. East Coast.

Please refer to the Schedule of Investments on pages 13-44 for a full listing of Trust securities.

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Investments in high-yield or lower-rated securities are subject to greater-thanaverage risk. The Trust may invest in securities of issuers that are in default or that are in bankruptcy.

Investing in foreign and/or emerging markets securities involves risks relating to interest rates, currency exchange rates, economic, and political conditions.

When interest rates rise, the prices of debt securities in the Trust will generally fall. Conversely, when interest rates fall the prices of debt securities in the Trust generally will rise. Investments in the Trust are subject to possible loss due to the financial failure of the issuers of the underlying securities and the issuers' inability to meet their debt obligations.

The Trust may invest up to 50% of its total assets in illiquid securities. Illiquid securities may be difficult to dispose of at a fair price at the times when the Trust believes it is desirable to do so and their market price is generally more volatile than that of more liquid securities. Illiquid securities also are more difficult to value, and investment of the Trust's assets in illiquid securities may restrict the Trust's ability to take advantage of market opportunities.

The Trust is authorized to borrow from banks and issue debt securities, which are forms of leverage. Leverage creates significant risks, including the risk that the Trust's incremental income or capital appreciation will not be

sufficient to cover the cost of leverage, which may adversely affect the return for shareholders.

Risks of investing in the Trust are discussed in greater detail in the Trust's original offering prospectus and in shareowner reports issued from time to time.

These risks may increase share price volatility.

Past performance is no guarantee of future results, and there is no guarantee that market forecasts discussed will be realized.

Any information in this shareowner report regarding market or economic trends or the factors influencing the Trust's historical or future performance are statements of opinion as of the date of this report. These statements should not be relied upon for any other purposes.

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Portfolio Summary | 10/31/12

#### Portfolio Diversification

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(As a percentage of total investment portfolio)

[THE FOLLOWING DATA WAS REPRESENTED AS A PIE CHART IN THE PRINTED MATERIAL]

Corporate Bonds & Notes	73.3%
Senior Secured Floating Rate Loan Interests	19.8%
Convertible Bonds & Notes	1.9%
Sovereign Debt Obligations	1.2%
Asset Backed Securities	0.9%
Temporary Cash Investments	0.5%
Preferred Stocks	0.5%
Collateralized Mortgage Obligations	0.5%
Temporary Cash Investments	0.5%
Common Stocks	0.4%
Commercial Mortgage-Backed Securities	0.3%
Convertible Preferred Stock	0.2%

#### Portfolio Quality

\_\_\_\_\_\_

(As a percentage of total investment portfolio; based on Standard & Poor's ratings (S&P))

[THE FOLLOWING DATA WAS REPRESENTED AS A PIE CHART IN THE PRINTED MATERIAL]

В	44.7%
BB	18.5%
CCC	16.8%
NR	15.8%
BBB	2.3%
CC	0.5%
C	0.5%
AAA	0.4%

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR	
A AA D	0.3% 0.2% 0.0%
*Amount less than 0.1%	
Bond ratings are ordered highest to lowest in portfolio. Based on S&P's measures, AAA (highest possible rating) through BBB are considered investgrade; BB or lower ratings are considered non- investment grade. Cash equivalents and some bonds may not be rated.	stment
The portfolio is actively managed, and current holdings may be different	
10 Largest Holdings	
(As a percentage of total long-term holdings)*	
1. Alliance One International, Inc., 10.0%, 7/15/16	0.909
2. Successor X, Ltd., 14.916%, 1/7/14 (144A)	0.89
3. Successor X, Ltd., 16.416%, 1/7/14 (144A)	0.89
4. Montana Re, Ltd., 16.81%, 1/8/14 (144A)	0.89
5. Queen Street IV Capital, Ltd., 7.606%, 4/9/15 (144A)	0.85
6. AMC Entertainment, Inc., 9.75%, 12/1/20	0.83
7. Lodestone Re Ltd., 7.356%, 1/8/14 (144A)	0.79
8. Lodestone Re, Ltd., 8.356%, 5/17/13 (144A)	0.77
9. Townsquare Radio LLC / Townsquare Radio, Inc., 9.0%, 4/1/19 (144A)	0.77
10. INEOS Group Holdings SA, 7.875%, 2/15/16 (144A)	0.74
* This list excludes temporary cash investments and derivative instru The portfolio is actively managed, and current holdings may be diff The holdings listed should not be considered recommendations to buy any security listed.	erent.
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Prices and Distributions   10/31/12	

10/31/12

4/30/12

		\$20.49	\$20.13
Premium		2.0%	3.2%
Net Asset Value per Comm	on Share		
		10/31/12	4/30/12
		\$20.09	\$19.51
Distributions per Common	Share		
n		Short-Term Capital Gains	_
5/1/12 - 10/31/12	\$0.96	\$	\$

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Performance Update | 10/31/12

#### Investment Returns

The mountain chart on the right shows the change in market value, plus reinvested dividends and distributions, of a \$10,000 investment made in common shares of Pioneer Diversified High Income Trust, compared to that of the combined (50%/50%) Bank of America Merrill Lynch Global High Yield and Emerging Markets Plus Index (BofA ML Global HY and EMP Index) and the Credit Suisse (CS) Leveraged Loan Index.

Average Annual Total Returns (As of October 31, 2012)

Period	Net Asset Value (NAV)	Market Price
	value (NAV)	F11Ce
Life-of-Trust		
(5/30/07)	8.54%	8.02%
5 Years	9.06	11.89
1 Year	15.06	14.62

[THE FOLLOWING DATA WAS REPRESENTED AS A MOUNTAIN CHART IN THE PRINTED MATERIAL]

Value of \$10,000 Investment

	Pioneer Diversified High Income Trust	50% BofA ML Global HY and EMP Index 50% CS Leveraged Loan Index
5/31/2007	\$ 10,000	\$ 10,000
10/31/2007	\$ 8,661	\$ 10,034
10/31/2008	\$ 6,149	\$ 7,683
10/31/2009	\$ 9,362	\$ 10 <b>,</b> 570
10/31/2010	\$ 12 <b>,</b> 687	\$ 12 <b>,</b> 116
10/31/2011	\$ 13 <b>,</b> 259	\$ 12 <b>,</b> 532
10/31/2012	\$ 15 <b>,</b> 197	\$ 14,010

Call 1-800-225-6292 or visit us.pioneerinvestments.com for the most recent month-end performance results. Current performance may be lower or higher than the performance data quoted.

Performance data shown represents past performance. Past performance is no guarantee of future results. Investment return and market price will fluctuate, and your shares may trade below NAV due to such factors as interest rate changes and the perceived credit quality of borrowers.

Total investment return does not reflect broker sales charges or commissions. All performance is for common shares of the Trust.

Closed-end funds, unlike open-end funds, are not continuously offered. There is a one-time public offering and, once issued, shares of closed-end funds are sold in the open market through a stock exchange and frequently trade at prices lower than their NAV. NAV per common share is total assets less total liabilities, which includes bank borrowing, divided by the number of common shares outstanding.

When NAV is lower than market price, dividends are assumed to be reinvested at the greater of NAV or 95% of the market price. When NAV is higher, dividends are assumed to be reinvested at prices obtained under the Trust's dividend reinvestment plan.

The performance table and graph do not reflect the deduction of fees and taxes that a shareowner would pay on Trust distributions.

The BofA ML Global High Yield and Emerging Markets Plus Index tracks the performance of the below- and border-line investment-grade global debt markets denominated in the major developed market currencies. The Index includes sovereign issuers rated BBB1 and lower along with corporate issues rated BB1 and lower. There are no restrictions on issuer country of domicile. The CS Leveraged Loan Index is designed to mirror the investible universe of the U.S. dollar-denominated leveraged loan market. The CS Leveraged Loan Index consists of tradable term loans with at least one year to maturity and rated BBB or lower.

Index returns are calculated monthly, assume reinvestment of dividends and, unlike Trust returns, do not reflect any fees, expenses or sales charges. The indices do not employ leverage. It is not possible to invest directly in an index.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited)

Principal Amount USD (\$)	S&P/Moody's Ratings	
		ASSET BACKED SECURITIES
938,861(a)	CCC/Caa1	1.2% of Net Assets Aircraft Finance Trust, Series 1999-1A,
2,581(a)	B-/Ba3	Class A1, 0.694%, 5/15/24 (144A) Aircraft Finance Trust, Series 1999-1A, Class A2, 0.714%, 5/15/24 (144A)
450,000(a)	AA+/A2	Bear Stearns Asset Backed Securities Trust, Series 2004-B01, Class M3, 1.261%, 10/25/34
100,000	BB/NR	CarNow Auto Receivables Trust, Series 2012-1A, Class D, 6.9%, 11/15/16 (144A)
699 <b>,</b> 000(a)	CCC/Caa2	Carrington Mortgage Loan Trust, Series 2007-FRE1, Class A2, 0.411%, 2/25/37
434,612(a)	CC/NR	Countrywide Asset-Backed Certificates, Series 2007-SD1, Class A1, 0.661%, 3/25/47 (144A)
122,846(a)	B-/B3	
234,373	NR/NR	Westgate Resort LLC, Series 2012 2A Class C, 9.0%, 1/20/25
		TOTAL ASSET BACKED SECURITIES (Cost \$1,955,562)
		COLLATERALIZED MORTGAGE  OBLIGATIONS 0.7% of Net Assets
176,664(b)	BB-/NR	GSR Mortgage Loan Trust, Series 2004-3F, Class B1, 5.743%, 2/25/34
882,946(a)	AAA/Ba2	Impac CMB Trust, Series 2004-9, Class 1A1, 0.971%, 1/25/35
100,575(a)	D/NR	WaMu Mortgage Pass Through Certificates, Series 2006-AR16, Class 3A1, 4.889%, 12/25/36
100,000(b)	NR/NR	Vericrest Opportunity Loan Transferee, Series 2012-NL1A, Class A2, 8.112%, 3/25/49 (144A)
		TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$1,100,678)
		COMMERCIAL MORTGAGE-BACKED SECURITIES 0.5% of Net Assets
250,000(b)	BB+/Baa3	Bear Stearns Commercial Mortgage Securities, Series 2006-PW12, Class AJ, 5.751%, 9/11/38
250,000(b)	NR/Baa3	9/11/38 COMM 2012-CCRE2 Mortgage Trust, Series 2012-CR2, Class E, 4.858%, 8/15/45

(144A)

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings	
		COMMERCIAL MORTGAGE-BACKED
175,033(a)	NR/Ba1	SECURITIES (continued)  JP Morgan Chase Commercial Mortgage Securities Corp., Series 2006-FL2A, Class G,
200,000(a)	BBB+/A3	0.574%, 11/15/18 (144A) Morgan Stanley Capital I, Inc., Series 2007-XLF9, Class C, 0.914%, 12/15/20 (144A)
		TOTAL COMMERCIAL MORTGAGE-BACKED SECURITIES (Cost \$741,045)
		SENIOR SECURED FLOATING RATE  LOAN INTERESTS 27.8% of  Net Assets*  AUTOMOBILES & COMPONENTS 1.9%
138,370	B+/Ba3	Auto Parts & Equipment 0.6% Federal-Mogul Corp., Tranche B Term Loan, 2.148%, 12/29/14
70,597	B+/Ba3	Federal-Mogul Corp., Tranche C Term Loan,
157,600	B+/B1	2.148%, 12/28/15 Metaldyne LLC, Term Loan, 5.25%, 5/18/17
283,575	B+/Ba3	TI Group Automotive Systems LLC, Term Loan, 6.75%, 3/14/18
222,079	BB/Ba2	Tomkins LLC, Term Loan B-1, 4.25%, 9/29/16
142,463	B+/Ba2	UCI International, Inc., (United Components) Term Loan, 5.5%, 7/26/17
1,481,250	BB/Ba2	Automobile Manufacturers 0.9% Chrysler Group LLC, Tranche B Term Loan, 6.0%, 5/24/17
575 <b>,</b> 000	BB/Ba1	Tires & Rubber 0.4% Goodyear Tire & Rubber Co., Extended Second Lien Term Loan, 4.75%, 4/30/19
		Total Automobiles & Components

CAPITAL GOODS -- 3.6%

		Aerospace & Defense 1.6%
893 <b>,</b> 680	В/В3	API Technologies Corp., Term Loan, 8.75%,
		6/27/16
605,843	B/B2	DAE Aviation Holdings, Inc., Tranche B-1
		Term Loan, 7.25%, 7/31/14
197,831	BB-/B1	Hunter Defense Technologies, Inc., Term
		Loan, 5.5%, 8/22/14

The accompanying notes are an integral part of these financial statements.

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Principal Amount USD (\$)	S&P/Moody's Ratings	
574,557	B/B2	Aerospace & Defense (continued) Standard Aero, Ltd., Tranche B-2 Term Loan, 7.25%, 7/31/14
325,298	BB-/B1	TASC, Inc., New Tranche B Term Loan, 4.5%, 12/18/15
1,047,188	B+/B1	Building Products 0.6% Goodman Global, Inc., First Lien Initial Term Loan, 5.75%, 10/28/16
		Construction & Farm Machinery &
		Heavy Trucks 1.0%
370,000	BB/Ba2	Manitowoc Co., Inc., Term Loan B, 5.25%, 11/13/17
650,000	B+/Ba2	Navistar International Corp., Tranche B,
553,000	BB-/B2	Term Loan, 7.0%, 8/17/17 Waupaca Foundry, Inc. Term Loan, 8.5%, 6/29/17
565,000	BB-/Ba2	Electrical Components & Equipment 0.3% WireCo WorldGroup, Inc., Term Loan, 6.0%, 2/15/17
198,110	BBB-/Ba2	Trading Companies & Distributors 0.1% AWAS Finance Luxembourg 2012 SA, Term Loan, 4.75%, 7/16/18
		Total Capital Goods
203,635	BB-/Ba3	COMMERCIAL & PROFESSIONAL SERVICES 1.0% Commercial Printing 0.1% Cenveo Corp., Facility Term Loan B, 6.625%, 12/21/16
		Environmental & Facilities Services 0.8%

Security & Alarm Security & Alarm Security & Protection One, Inc	
3/21/19	rvices 0.1% ., Term Loan, 5.75%, Professional Services

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings	
149,625	B/Ba3	CONSUMER DURABLES & APPAREL 0.1% Textiles 0.1% Klockner Pentaplast of America, Inc., (Kleopatra Aquisition Corp), Term Loan B-1, 6.75%, 12/21/16  Total Consumer Durables & Apparel
875 <b>,</b> 000	NR/Ba2	CONSUMER SERVICES 1.6% Hotels, Resorts & Cruise Lines 0.5% Seven Sea Cruises, Inc., Term Loan B, 6.25%, 12/21/18
548,622 552,225	B+/B1 B/Ba3	Restaurants 0.7% Landry's, Inc., Term Loan B, 6.5%, 4/24/18 NPC International, Inc., 2012 Term Loan, 5.25%, 12/28/18
		Specialized Consumer Services 0.4%
273,625	B/Ba3	Monitronics International, Inc., Term Loan, 5.5%, 3/23/18
435,273	B+/B1	Wash MultiFamily Laundry Systems LLC, Term Loan, 7.0%, 8/28/14
		Total Consumer Services

DIVERSIFIED FINANCIALS -- 0.6% Other Diversified Financial Services -- 0.6%

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The accompanying notes are an integral part of these financial statements.

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Principal Amount USD (\$)	S&P/Moody's Ratings	
281,192 117,648	NR/B3 B-/B2	Oil & Gas Equipment & Services 0.3% Aquilex Holdings LLC, Term Loan, 8.75%, 4/1/16 Hudson Products Holdings, Inc., Term Loan, 9.0%, 8/24/15
304,833 650,000	BB-/NR B+/B1	Oil & Gas Exploration & Production 0.6% Chesapeake Energy Corp., Term Loan, 8.5%, 12/2/17 Samson Investment Co., Initial Term Loan, 6.0%, 9/25/18
		Total Energy
239 <b>,</b> 690	В/ВаЗ	FOOD, BEVERAGE & TOBACCO 0.1% Packaged Foods & Meats 0.1% Del Monte Foods Co., Initial Term Loan, 4.5%, 3/8/18
		Total Food, Beverage & Tobacco

243,163	BB-/Ba2	Health Care Equipment & Services 0.1% Kinetic Concepts, Inc., Dollar Term Loan B-1, 7.0%, 5/4/18
		Health Care Facilities 1.2%
353,646	В/В1	Ardent Medical Services, Inc., Term Loan, 6.5%, 9/15/15
983,916	BB/Ba3	CHS/Community Health Systems, Inc., Extended Term Loan, 3.862%, 1/25/17
198,040	BB/Ba3	HCA, Inc., Tranche B-2 Term Loan, 3.612%, 3/31/17
82 <b>,</b> 579	BB/Ba3	HCA, Inc., Tranche B-3 Term Loan, 3.462%, 5/1/18
325,000	NR/B3	KIndred Healthcare, Inc., Incremental Term Loan, 5.25%, 6/1/18
		Health Care Services 1.7%
384,375	B+/B2	AccentCare, Inc., Term Loan, 6.5%, 12/22/16
345,706	B/B1	Gentiva Health Services, Inc., Term Loan B-1, 6.5%, 8/17/16
631,715	B+/Ba3	Inventiv Health, Inc., Consolidated Term Loan, 6.5%, 8/4/16

HEALTH CARE EQUIPMENT & SERVICES -- 3.9%

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings	
		Health Care Services (continued)
403,850	NR/NR	National Mentor Holdings, Inc., Tranche B-1 Term Loan, 6.5%, 2/9/17
243,289	B/B2	National Specialty Hospitals, Inc., Initial Term Loan, 8.25%, 2/3/17
180,556	BB-/Ba1	Sun Healthcare Group, Inc., Term Loan, 8.75%, 10/18/16
345,625	B/Ba3	Valitas Health Services, Inc., Term Loan B, 5.75%, 6/2/17
493 <b>,</b> 750	NR/B3	Virtual Radiologic Corp., Term Loan B, 7.75%, 12/22/16
		Health Care Supplies 0.4%
241,331 369,075	BB-/Ba3 B+/B1	Alere, Inc., Term Loan B, 4.75%, 6/30/17

		Health Care Technology 0.5%
243,754	BB-/Ba3	IMS Health, Inc., Tranche B Dollar Term Loan, 4.5%, 8/26/17
365,000	CCC/Caa3	Medical Card System, Inc., Term Loan, 12.25%, 9/17/15
25,510	B/NR	Physician Oncology Services LP, Delayed Draw Term Loan, 7.75%, 1/31/17
209,980	B/B2	Physician Oncology Services LP, Effective Date Term Loan, 7.75%, 1/31/17
		Total Health Care Equipment & Services
		HOUSEHOLD & PERSONAL PRODUCTS 0.5% Household Products 0.2%
393,990	B+/Ba3	
		Personal Products 0.3%
215,357 244,406	BB-/Ba3 BB-/Ba3	NBTY, Inc., Term Loan B-1, 4.25%, 10/2/17 Revlon Consumer Products Corp., Term Loan B, 4.75%, 11/19/17
		Total Household & Personal Products
1,368,444	В/В2	INSURANCE 1.8% Insurance Brokers 1.3% Alliant Holdings I, Inc., Term Loan, 3.362%, 8/21/14
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The accompanying notes are an integral part of these financial statements.

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Principal Amount USD (\$)	S&P/Moody's Ratings	
		Tanana and Dunkana (continued)
682,536	B+/B1	<pre>Insurance Brokers (continued) HUB International, Ltd., 2017 Initial Term Loan, 4.712%, 6/13/17</pre>
97,000	B/B1	U.S.I. Holdings Corp., New Term Loan Series C, 7.0%, 5/5/14
750,000	CCC+/B3	Multi-Line Insurance 0.5% AmWINS Group, Inc., Second Lien, Term Loan, 9.25%, 12/6/19

Total Insurance

199,000	BB-/B1	MATERIALS 2.3% Commodity Chemicals 0.1% Taminco Global Chemical Corp., Tranche B-1 Dollar Term Loan, 5.25%, 2/15/19
343,875	B+/B2	Diversified Chemicals 0.2% Univar, Inc., Term Loan B, 5.0%, 6/30/17
1,500,000	B+/Ba3	Forest Products 0.9% Ainsworth Lumber Co., Ltd., Term Loan, 5.25%, 6/26/14
517,014	в/в1	Metal & Glass Containers 0.3% Tank Holding Corp., Initial Term Loan, 5.5%, 7/9/19
459,188	в/в2	Paper Packaging 0.3% Exopack LLC/Cello-Foil Products, Inc., Term Loan B, 6.5%, 5/31/17
192,375	BB-/B1	Precious Metals & Minerals 0.1% Fairmount Minerals, Ltd., Tranche B Term Loan, 5.25%, 3/15/17
250,000 344,239	BB+/Ba1 BB+/Ba1	Specialty Chemicals 0.4% Chemtura Corp., Facility Term Loan, 5.5%, 8/29/16 Huntsman International LLC, Extended Term B Loan, 2.795%, 4/19/17
		Total Materials
975,029	B+/Ba3	MEDIA 1.9% Advertising 0.6% Affinion Group, Inc., Tranche B Term Loan, 5.0%, 7/16/15

The accompanying notes are an integral part of these financial statements.

Pioneer Diversified High Income Trust | Semiannual Report | 10/31/12 19

Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

Principal		
Amount	S&P/Moody's	
USD (\$)	Ratings	
		Broadcasting 0.9%
534,881	NR/NR	FoxCo Aquisition Stb, LLC, Initial Term Loan,
		5.5%, 7/14/17
404,958	BB-/Ba3	TWCC Holding Corp., 2011 Term Loan,
		4.25%, 2/13/17

471,717	B+/B2	Univision Communications, Inc., Extended First Lien Term Loan, 4.462%, 3/31/17
177,555	В/В1	Cable & Satellite 0.1% WideOpenWest Finance LLC, Term Loan, 6.25%, 7/17/18
141 <b>,</b> 501 552 <b>,</b> 933	NR/Bal CCC/Caal	Movies & Entertainment 0.3% Cinedigm Digital Funding I LLC, Term Loan, 5.25%, 4/29/16 Lodgenet Interactive Corp., Closing Date
332,333	000, 0441	Term Loan, 8.5%, 4/4/14
		Total Media
		PHARMACEUTICALS, BIOTECHNOLOGY  & LIFE SCIENCES 1.7%  Biotechnology 0.9%
491,250	BB/B2	Aptalis Pharma, Inc., Term Loan B-1, 5.5%, 2/10/17
183,207	BBB-/Ba3	Warner Chilcott Co., LLC, Term Loan B-2, 4.25%, 3/15/18
139,149	BBB-/Ba3	Warner Chilcott Corp., Term Loan B-1, 4.25%, 3/15/18
366,414	BBB-/Ba3	Warner Chilcott Corp., Term Loan B-1, 4.25%, 3/15/18
251,910	BBB-/Ba3	WC Luxco S.a.r.l., Term Loan B-3, 4.25%, 3/15/18
1,310,265	BB-/Ba3	Life Sciences Tools & Services 0.8% Catalent Pharma, Inc., Dollar Term Loan, 4.212%, 9/15/16
		Total Pharmaceuticals, Biotechnology & Life Sciences
193 <b>,</b> 750	B-/B1	REAL ESTATE 0.1%  Real Estate Development 0.1%  Ozburn-Hessey Holding Co., LLC, First Lien  Term Loan, 8.25%, 4/8/16
		Total Real Estate

The accompanying notes are an integral part of these financial statements.

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Principal	
Amount	S&P/Moody's
USD (\$)	Ratings
(1)	

888,750	В/В2	RETAILING 0.5%  Computer & Electronics Retail 0.5%  Targus Group International, Inc., Term Loan, 11.0%, 5/24/16  Total Retailing
595,121 765,247	BB-/B1 B/B1	SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT 0.8% Semiconductor Equipment 0.8% Aeroflex, Inc., Tranche B Term Loan, 5.75%, 5/19/18 Freescale Semiconductor, Inc., Tranche B Term Loan, 4.465%, 12/1/16  Total Semiconductors & Semiconductor Equipment
461,104 676,600 952,382 500,000	CCC+/B1 B/Ba3 BB+/Baa2 CCC+/Caa1	SOFTWARE & SERVICES 2.6% Application Software 1.6% Allen Systems Group, Inc., Term Loan B, 9.5%, 11/21/15 Expert Global Solutions, Inc., Advance First Lien Term Loan B, 8.0%, 4/3/18 Nuance Communications, Inc., Term Loan C, 3.22%, 3/31/16 Vertafore, Inc., Second Lien Term Loan, 9.75%, 10/29/17
213,214	BBB-/Ba2	Data Processing & Outsourced Services 0.1% Vantiv LLC, Tranche B Term Loan, 3.75%, 3/27/19
246,250	BB+/Ba3	Internet Software & Services 0.1% Autotrader.com, Inc., Tranche B-1 Term Loan, 4.0%, 12/15/16
1,347,567	BB/NR	IT Consulting & Other Services 0.8% SunGuard Data Systems, Inc., Tranche C Term Loan, 3.969%, 2/28/17 Total Software & Services
243,149	BB/Ba3	TECHNOLOGY HARDWARE & EQUIPMENT 0.4%  Communications Equipment 0.1%  CommScope, Inc., Tranche 1 Term Loan, 4.25%, 1/14/18
477,897	В/В2	Electronic Components 0.3% Scitor Corp., Term Loan, 5.0%, 2/15/17 Total Technology Hardware & Equipment

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

Princi Amount USD (\$	=	S&P/Moody's Ratings	
	439,482 919,588	B/B1 B-/Ba3	TRANSPORTATION 0.8% Air Freight & Logistics 0.8% Ceva Group Plc, Dollar Tranche B Pre-Funded L/C Term Loan, 0.262%, 8/31/16 Ceva Group Plc, U.S. Tranche B Term Loan, 5.313%, 8/31/16  Total Transportation
	629,720	CCC/Caal	UTILITIES 0.2% Electric Utilities 0.2% Texas Competitive Electric Holdings Co., LLC, 2017 Term Loan, 4.938%, 10/10/17
			Total Utilities  TOTAL SENIOR SECURED FLOATING RATE LOAN INTERESTS (Cost \$46,484,217)
	350,000 160,000 500,000(d) 1,174,000	B/Caa1 CCC/Caa1 CCC-/Caa3 B+/B1	CORPORATE BONDS & NOTES  103.0% of Net Assets  AUTOMOBILES & COMPONENTS 1.3%  Auto Parts & Equipment 1.3%  International Automotive Components Group SA, 9.125%, 6/1/18 (144A)  Stanadyne Holdings, Inc., 10.0%, 8/15/14  Stanadyne Holdings, Inc., 12.0%, 2/15/15  Tower Automotive Holdings USA LLC / TA  Holdings Finance, Inc., 10.625%, 9/1/17 (144A)  Total Automobiles & Components
	400,000(b)(e)	BB+/B1	BANKS 1.8%  Diversified Banks 0.9%  ABN Amro North American Holding Preferred  Capital Repackage Trust I, 6.523%,  12/29/49 (144A)
RL	525,000 500,000(b) 350,000	B/B3 NR/Caa3 AAA/NR	Banco de Galicia y Buenos Aires, 8.75%, 5/4/18 (144A) Banco Macro SA, 9.75%, 12/18/36 International Finance Corp., 9.25%, 3/15/13
	200,000	NR/NR	Turkiye IS Bankasi AS, 6.0%, 10/24/22

The accompanying notes are an integral part of these financial statements.

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Principal Amount JSD (\$)	S&P/Moody's Ratings	
		Regional Banks 0.9%
600,000(b)(e)	BBB/Baa3	PNC Financial Services Group, Inc., 8.25%, 5/29/49
750,000	BBB-/NR	UBS AG/Stamford CT, 7.625%, 8/17/22
		Total Banks
		CAPITAL GOODS 8.0% Aerospace & Defense 1.0%
600,000 1,170,000	B/B3 B-/B2	ADS Tactical, Inc., 11.0%, 4/1/18 (144A) DynCorp International, Inc., 10.375%, 7/1/17
90,000	B/B1	GeoEye, Inc., 9.625%, 10/1/15
		Building Products 0.8%
850,000	C/Caa3	New Enterprise Stone & Lime Co., Inc., 11.0%, 9/1/18
300,000 365,000	BB-/B2 BB-/B2	USG Corp., 7.875%, 3/30/20 (144A) USG Corp., 9.75%, 8/1/14 (144A)
900,000	B+/B1	Construction & Engineering 0.9% Empresas ICA S.A.B. de C.V., 8.9%,
500,000	NR/NR	2/4/21 (144A) OAS Investments GMBH, 8.25%, 10/19/19
		Construction & Farm Machinery &
458,000	B+/B3	Heavy Trucks 1.3%  American Railcar Industries, Inc., 7.5%, 3/1/14
750,000	B+/B1	Lonking Holdings, Ltd., 8.5%, 6/3/16 (144A)
660,000	CCC+/B2	Navistar International Corp., 8.25%, 11/1/21
300,000	NR/NR	OSX 3 Leasing BV, 9.25%, 3/20/15 (144A)

Electrical Components & Equipment -- 0.5%

750,000	B/B3	WireCo WorldGroup, Inc., 9.5%, 5/15/17
455,000	B+/B2	Industrial Conglomerates 0.4%  JB Poindexter & Co., Inc., 9.0%, 4/1/22  (144A)

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

Princ Amoun USD (	t	S&P/Moody's Ratings	
EUR	90,000	BB-/Ba3	<pre>Industrial Conglomerates (continued) Mark IV Europe Lux SCA / Mark IV USA SCA, 8.875%, 12/15/17 (144A)</pre>
	500,000(f) 335,000	NR/WR B/Caa2	Industrial Machinery 1.2% Indalex Holding Corp., 11.5%, 2/1/14 Liberty Tire Recycling, 11.0%, 10/1/16 (144A)
	875,000	CCC+/Caa2	Mueller Water Products, Inc., 7.375%, 6/1/17
	665,000	B+/NR	WPE International Cooperatief UA, 10.375%, 9/30/20 (144A)
	150,000	В/В3	Xerium Technologies, Inc., 8.875%, 6/15/18
	1,090,000 1,090,000 1,000,000	B-/B3 B-/B3 B/B1	Trading Companies & Distributors 1.9% INTCOMEX, Inc., 13.25%, 12/15/14 TRAC Intermodal LLC / TRAC Intermodal Corp., 11.0%, 8/15/19 (144A) WESCO Distribution, Inc., 7.5%, 10/15/17
			Total Capital Goods
	210 000	pp_/p2	COMMERCIAL & PROFESSIONAL  SERVICES 0.2%  Environmental & Facilities Services 0.2%
	210,000	BB-/B3	Casella Waste Systems, Inc., 11.0%, 7/15/14
EUR	107,128	CCC-/Caa2	New Reclamation Group Pty., Ltd., 8.125%, 2/1/13 (144A)
	700,000(f)	NR/WR	Old AII, Inc., 10.0%, 12/15/16
			Total Commercial & Professional Services
			CONCUMED DUDADLES CARDADEL 2 20

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CONSUMER DURABLES & APPAREL -- 3.3%

		Homebuilding 1.1%
530,000	CCC/Caa3	Beazer Homes USA, Inc., 9.125%, 6/15/18
200,000	BB-/Ba3	Corporacion GEO SAB de CV, 8.875%,
		3/27/22 (144A)
630,000	NR/Ba3	Desarrolladora Homex SAB de CV, 9.5%,
		12/11/19 (144A)
500,000	NR/Ba3	Urbi Desarrollos Urbanos SAB de CV,
		9.75%, 2/3/22 (144A)

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The accompanying notes are an integral part of these financial statements.

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Principal Amount USD (\$)	S&P/Moody's Ratings	
500,000 475,000 1,000,000 350,000(g)	CCC+/Caa2 CCC+/Caa2 CCC+/B3 CCC+/Caa1	Housewares & Specialties 1.4% Reynolds Group Issuer, Inc., 9.0%, 4/15/19 Reynolds Group Issuer, Inc., 9.875%, 8/15/19 Yankee Candle Co., Inc., 9.75%, 2/15/17 YCC Holdings LLC / Yankee Finance, Inc., 10.25%, 2/15/16
EUR 275,000	CCC/Caa2	Leisure Products 0.8%  Heckler & Koch GmbH, 9.5%, 5/15/18 (144A)
1,000,000	В/В2	Icon Health & Fitness, Inc., 11.875%, 10/15/16 (144A)
		Total Consumer Durables & Apparel
		CONSUMER SERVICES 4.4%  Business Services 0.7%
750,000	B/B1	Sitel LLC / Sitel Finance Corp., 11.0%, 8/1/17 (144A)
600,000	B-/Caa2	Sitel LLC / Sitel Finance Corp., 11.5%, 4/1/18
500,000(f)	NR/WR	Casinos & Gaming 1.9% Buffalo Thunder Development Authority, 9.375%, 12/15/14 (144A)
EUR 1,155,000	B-/Caa2	Codere Finance Luxembourg SA, 8.25%, 6/15/15 (144A)
500,000	B-/Caa2	Codere Finance Luxembourg SA, 9.25%,

2/15/19 (144A)

	90,000	NR/NR	Little Traverse Bay Bands of Odawa Indians, 9.0%, 8/31/20 (144A)
	1,615,000(f)(h)	NR/WR	Mashantucket Western Pequot Tribe, 8.5%, 11/15/15 (144A)
EUR	500,000	B-/B3	Peermont Global, Ltd., 7.75%, 4/30/14 (144A)
	450,000	BB-/B1	Scientific Games International, Inc., 9.25%, 6/15/19

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The accompanying notes are an integral part of these financial statements.

Pioneer Diversified High Income Trust | Semiannual Report | 10/31/12 25

Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings	
400,000	CCC+/B2	Hotels, Resorts & Cruise Lines 0.5% Seven Seas Cruises S de RL LLC, 9.125%, 5/15/19
325,000	B+/B3	Viking Cruises, Ltd., 8.5%, 10/15/22
1,235,000(d)	B-/Caal	Restaurants 0.9% Burger King Capital Holdings LLC, 0.0%, 4/15/19 (144A)
400,000	В/В3	Burger King Corp., 9.875%, 10/15/18
150,000	B/B2	Specialized Consumer Services 0.4% Avis Budget Car Rental LLC / Avis Budget
		Finance, Inc., 9.625%, 3/15/18
500,000	B-/B3	StoneMor Operating LLC, 10.25%, 12/1/17
		Total Consumer Services
		DIVERSIFIED FINANCIALS 6.6%
500.000	/- 0	Asset Management & Custody Banks 0.4%
590 <b>,</b> 000	BBB-/Baa3	Janus Capital Group, Inc., 6.7%, 6/15/17
(10, 000	NF /2	Consumer Finance 0.3%
610,000	NR/NR 	Tarjeta Naranja SA, 9.0%, 1/28/17 (144A)
450,000(b)	BB+/Ba2	Investment Banking & Brokerage 0.2% Goldman Sachs Capital II, 4.0%, 6/1/43
		Multi-Sector Holdings 0.4%
		rater become norarings 0.4%

	600,000	В/В2	Constellation Enterprises LLC, 10.625%, 2/1/16 (144A)
EUR	500,000(a)	B/NR	Other Diversified Financial Services 2.1% ATLAS VI Capital, Ltd., 9.721%, 4/6/13 (144A)
EUR	500,000(a)	B-/NR	ATLAS VI Capital, Ltd., 10.481%, 4/7/14 (144A)
	1,750,000(a)	BB-/NR	Lodestone Re, Ltd., 8.356%, 5/17/13 (144A)
	300,000(e)	BB/NR	Magnesita Finance, Ltd., 8.625%, 4/29/49 (144A)
	1,500,000(a) 1,800,000(a)	BB+/NR BB/NR	Reinsurance 2.0% Caelus Re II, Ltd., 6.5%, 5/24/13 (144A) Lodestone Re Ltd., 7.356%, 1/8/14 (144A)

The accompanying notes are an integral part of these financial statements.

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Principal Amount USD (\$)	S&P/Moody's Ratings	
500,000 1,000,000(a) 425,000	BB+/Baa3 BB+/NR B+/B2	Specialized Finance 1.2% Capital One Capital V, 10.25%, 8/15/39 Kibou, Ltd., 5.356%, 2/16/15 (144A) National Money Mart Co., 10.375%, 12/15/16
		Total Diversified Financials
850,000 1,000,000	B+/B1 B/Caal	ENERGY 10.9%  Coal & Consumable Fuels 1.2%  Bumi Capital Pte, Ltd., 12.0%, 11/10/16  (144A)  Foresight Energy LLC / Foresight Energy
400,000	CCC+/B2	Corp., 9.625%, 8/15/17 (144A) James River Coal Co., 7.875%, 4/1/19
		Oil & Gas Drilling 1.3%
1,000,000	CCC+/Caa1	Ocean Rig UDW, Inc., 9.5%, 4/27/16 (144A)
302,000	B-/B3	Offshore Group Investments, Ltd., 11.5%, 8/1/15

500,000	B+/B2	Pioneer Energy Services Corp., 9.875%, 3/15/18
320,000	NR/B1	Shelf Drill Holdings, Ltd., 8.625%, 11/1/18
		Oil & Gas Equipment & Services 1.6%
1,358,000	B+/B1	American Petroleum Tankers Parent LLC / AP Tankers Co., 10.25%, 5/1/15
448,000	B/B3	Expro Finance Luxembourg SCA, 8.5%, 12/15/16 (144A)
330,000	B/Caa1	Forbes Energy Services, Ltd., 9.0%, 6/15/19
65 <b>,</b> 067(f)	NR/NR	Nexus 1 Pte., Ltd., 10.5%, 4/9/12 (144A)
NOK 1,000,000(a)	NR/NR	Transocean Drilling Norway AS, 9.05%, 2/24/16
NOK 1,000,000	NR/NR	Transocean Norway Drilling AS, 11.0%, 2/24/16
505,000 100,000 500,000 920,000 570,000	B+/B1 B-/B3 B-/B3 NR/NR NR/NR	Oil & Gas Exploration & Production 6.2% Berry Petroleum Co., 10.25%, 6/1/14 Comstock Resources, Inc., 7.75%, 4/1/19 Comstock Resources, Inc., 9.5%, 6/15/20 Forest Oil Corp., 7.5%, 9/15/20 Gulfport Energy Corp., 7.75%, 11/1/20

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

Principal Amount USD (\$)		S&P/Moody's Ratings	
	650,000	CCC+/B3	Oil & Gas Exploration & Production (continued) Halcon Resources Corp., 9.75%, 7/15/20
	030,000	CCC+7B3	(144A)
	444,000	B/B2	Linn Energy LLC / Linn Energy Finance Corp., 11.75%, 5/15/17
	455,000	B-/Caa1	Midstates Petroleum Co., Inc., 10.75%, 10/1/20
	800,000	B+/NR	MIE Holdings Corp., 9.75%, 5/12/16 (144A)
	200,000	NR/NR	National JSC Naftogaz of Ukraine, 9.5%, 9/30/14
	1,440,000	B-/Caa1	Northern Oil & Gas, Inc., 8.0%, 6/1/20
NOK	2,500,000	NR/NR	Norwegian Energy Co., AS, 12.9%, 11/20/14
	535,000	B-/B3	PDC Energy, Inc., 7.75%, 10/15/22 (144A)
	280,000	CCC+/Caa1	PetroBakken Energy, Ltd., 8.625%, 2/1/20 (144A)
	480,000	B-/Caa1	QR Energy LP / QRE Finance Corp., 9.25%, 8/1/20 (144A)
	240,000	CCC/Caa1	Quicksilver Resources, Inc., 7.125%, 4/1/16

	700,000 472,000 200,000	B-/B3 BB-/B3 B-/B3	Resolute Energy Corp., 8.5%, 5/1/20 (144A) Rosetta Resources, Inc., 9.5%, 4/15/18 Samson Investment Co., 9.75%, 2/15/20 (144A)
	600,000 450,000(b)	B/B2 BB/Ba1	Oil & Gas Storage & Transportation 0.6% EP Energy LLC / EP Energy Finance, Inc., 9.375%, 5/1/20 (144A) Southern Union Co., 3.33%, 11/1/66
			Total Energy
	1,127,000	В/В3	FOOD, BEVERAGE & TOBACCO 5.0% Agricultural Products 0.7% Southern States Cooperative, Inc., 11.25%, 5/15/15 (144A)
EUR	225,000 200,000 650,000	B/(P)B2 B/B2 BB/B1 B+/B1	Packaged Foods & Meats 3.1% Agrokor DD, 8.875%, 2/1/20 (144A) Agrokor DD, 9.875%, 5/1/19 (144A) Bertin SA / Bertin Finance Ltd., 10.25%, 10/5/16 (144A) CFG Investment SAC, 9.75%, 7/30/19 (144A)
	491,000 750,000	B+/B2 B/B3	Corporacion Pesquera Inca SAC, 9.0%, 2/10/17 (144A) FAGE Dairy Industry SA/FAGE USA Dairy Industry, Inc., 9.875%, 2/1/20 (144A)

The accompanying notes are an integral part of these financial statements.

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Principal Amount JSD (\$)	S&P/Moody's Ratings	
		Packaged Foods & Meats (continued)
224,421(f)(h)	NR/NR	Independencia International, Ltd., 12.0%, 12/30/16 (144A)
600,000	B+/B2	Marfrig Holding Europe BV, 8.375%, 5/9/18 (144A)
475,000	B+/B2	Marfrig Overseas, Ltd., 9.5%, 5/4/20 (144A)
700,000	B+/B2	Marfrig Overseas, Ltd., 9.625%, 11/16/16 (144A)
200,000	B+/B2	Minerva Luxembourg SA, 12.25%, 2/10/22 (144A)
300,000	B-/Caa1	Pilgrim's Pride Corp., 7.875%, 12/15/18

Tobacco -- 1.2%

2,015,000	B-/B3	Alliance One International, Inc., 10.0%, 7/15/16
		Total Food, Beverage & Tobacco
400,000	B/NR	GOVERNMENT 0.2% Province of Salta Argentina, 9.5%, 3/16/22 (144A)
		Total Government
915,000 875,000	CCC+/Caa2 B+/B2	
600,000 200,000 26,000(i)	B-/B3 CCC+/(P)Caa1 CCC+/Caa1	
378,000 476,000	B-/Caal CCC/Caa2	Gentiva Health Services, Inc., 11.5%,
1,000,000	CCC+/Caa2	
796,459	CCC+/B3	7/15/19 (144A) Surgical Care Affiliates, Inc., 8.875%, 7/15/15 (144A)
Pioneer Diver	sified High Income Tr	c of these financial statements.  Struct   Semiannual Report   10/31/12 29  Edated) (unaudited) (continued)
Principal Amount USD (\$)	S&P/Moody's Ratings	
1,170,000	CCC+/Caa1	Health Care Services (continued) Surgical Care Affiliates, Inc., 10.0%, 7/15/17 (144A)
750,000 500,000	B/Caal B-/Caal	Health Care Supplies 0.8%  Bausch & Lomb, Inc., 9.875%, 11/1/15  Immucor, Inc., 11.125%, 8/15/19

	275,000	NR/NR	Health Care Technology 0.2% Emdeon, Inc., 11.0%, 12/31/19
			Total Health Care Equipment & Services
	300,000	В/В2	HOUSEHOLD & PERSONAL PRODUCTS 0.2% Personal Products 0.2% Revlon Consumer Products Corp., 9.75%, 11/15/15
			Total Household & Personal Products
			INSURANCE 24.9% Insurance Brokers 2.2%
	250,000	CCC/Caa2	Alliant Holdings I, Inc., 11.0%, 5/1/15 (144A)
	1,000,000	CCC+/Caa2	HUB International, Ltd., 8.125%, 10/15/18 (144A)
GBP	475,000	NR/Caa1	Towergate Finance Plc, 10.5%, 2/15/19 (144A)
	827,000(a)	CCC/Caa1	USI Holdings Corp., 4.31%, 11/15/14 (144A)
	804,000	CCC/Caa2	USI Holdings Corp., 9.75%, 5/15/15 (144A)
	1,000,000(b)	BB/Baa3	Multi-Line Insurance 1.2% Liberty Mutual Group, Inc., 7.0%, 3/15/37 (144A)
	670 <b>,</b> 000(b)	BB/Baa3	
	80,000(b)(e)	BB+/Ba2	Property & Casualty Insurance 0.0%+ White Mountains Insurance Group, Ltd., 7.506%, 5/29/49 (144A)

The accompanying notes are an integral part of these financial statements.

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Princi	.pal		
Amount		S&P/Moody's	
USD (\$)		Ratings	
			Reinsurance 21.5%
EUR	750,000	NR/NR	ATLAS Reinsurance VII, 3.65%, 1/7/16
	250,000	NR/NR	ATLAS Reinsurance VII, 11.75%, 11/10/16
	400,000(a)	NR/B1	Combine Re, Ltd., 10.106%, 1/7/15
			(144A)
	750,000(a)	NR/NR	Combine Re, Ltd., 17.856%, 1/7/15

		(144A)
500,000(a)	BB-/NR	Compass Re, Ltd., 10.356%, 1/8/15 (144A)
500,000(a)	B+/NR	Compass Re, Ltd., 11.356%, 1/8/15 (144A)
1,000,000(a)	BB+/NR	Foundation Re III, Ltd., 5.106%, 2/25/15
1,000,000(a)	BB/NR	Foundation Re III, Ltd., 5.856%, 2/3/14 (144A)
750,000(a)	NR/B1	GlobeCat, Ltd., 6.359%, 1/2/13 (144A)
350,000(a)	NR/B3	GlobeCat, Ltd., 9.609%, 1/2/13 (144A)
1,300,000(a)	B-/NR	Ibis Re II, Ltd., 13.606%, 2/5/15 (144A)
500,000(a)	BB-/NR	Ibis Re, Ltd., 6.306%, 5/3/13 (144A)
1,000,000(a)	B/NR	Ibis Re, Ltd., 9.356%, 5/3/13 (144A)
1,000,000(b)	BB-/NR	Loma Reinsurance, Ltd., 9.977%, 12/21/12 (144A)
750,000(a)	B/NR	Montana Re, Ltd., 10.16%, 12/7/12 (144A)
1,000,000(a)	B/NR	Montana Re, Ltd., 12.31%, 1/8/14 (144A)
750,000(a)	CCC+/NR	Montana Re, Ltd., 13.66%, 12/7/12 (144A)
2,000,000(a)	NR/NR	Montana Re, Ltd., 16.81%, 1/8/14 (144A)
725,000	NR/NR	Mythen Re, Ltd., 11.75%, 11/10/16
1,500,000(a)	NR/B2	Mythen, Ltd., 11.407%, 5/7/15 (144A)
500,000(a)	NR/NR	Pelican Re, Ltd., 13.856%, 4/13/15 (144A)
1,200,000(a)	BB-/NR	Queen Street II Capital, Ltd., 7.606%, 4/9/14 (144A)
1,000,000(a)	B+/NR	Queen Street III Capital, Ltd., 4.856%, 7/28/14 (144A)
2,000,000(a)	BB-/NR	Queen Street IV Capital, Ltd., 7.606%, 4/9/15 (144A)
250,000	NR/NR	Queen Street VII Capital, Ltd., 8.6%, 4/8/16
250,000(a)	NR/NR	Residential Reinsurance 2010, Ltd., 7.356%, 6/6/13 (144A)
1,250,000(a)	NR/NR	Residential Reinsurance 2010, Ltd., 10.856%, 6/6/13 (144A)
250,000(a)	B-/NR	Residential Reinsurance 2010, Ltd., 13.086%, 6/6/13 (144A)
1,250,000(a)	B-/NR	Residential Reinsurance 2011, Ltd., 12.106%, 6/6/15 (144A)

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

B-/NR

500,000(a)

1,500,000(a)

Principal Amount USD (\$)	S&P/Moody's Ratings	
		Reinsurance (continued)
1,000,000(a)	NR/NR	Residential Reinsurance 2012, Ltd., 22.106%, 6/6/16 (144A)
500,000(a)	B-/NR	Successor X, Ltd., 9.856%, 4/4/13 (144A)

(144A)

NR/B2 Successor X, Ltd., 11.106%, 1/27/15

Successor X, Ltd., 11.356%, 11/10/15

	1,250,000 (a) 2,000,000 (a) 2,000,000 (a) 1,000,000 (a) 500,000 (a)	NR/NR B-/NR NR/NR NR/NR NR/NR	(144A) Successor X, Ltd., 11.856%, 4/4/13 (144A) Successor X, Ltd., 14.916%, 1/7/14 (144A) Successor X, Ltd., 16.416%, 1/7/14 (144A) Successor X, Ltd., 16.606%, 1/27/15 (144A) Successor X, Ltd., 16.856%, 4/4/13 (144A)
			Total Insurance
	670 (g)	CCC+/B3	MATERIALS 13.5% Aluminum 0.0%+ Noranda Aluminum Acquisition Corp., 4.73%, 5/15/15
	300,000	BB+/WR	Commodity Chemicals 0.5%  Basell Finance Co., BV, 8.1%,  3/15/27 (144A)
EUR	250,000	CCC/Caa1	KP Germany Erste GmbH, 11.625%, 7/15/17 (144A)
	865,000	C/Caa3	Construction Materials 0.8% AGY Holding Corp., 11.0%, 11/15/14
	389,000 400,000	B-/NR B-/NR	Cemex Espana Luxembourg, 9.875%, 4/30/19 (144A) Cemex Finance LLC, 9.5%, 12/14/16
	100,000	B-/NR	(144A) Cemex SAB de CV, 9.0%, 1/11/18 (144A)
 EUR	1,375,000	CCC+/Caa1	Diversified Chemicals 1.1% INEOS Group Holdings SA, 7.875%, 2/15/16 (144A)
	275 <b>,</b> 000	CC/Caa1	Momentive Performance Materials, Inc., 9.0%, 1/15/21
	300,000	 CCC+/Caa1	Diversified Metals & Mining 1.5% Midwest Vanadium Pty., Ltd., 11.5%, 2/15/18 (144A)
The a	accompanying notes	are an integral part	of these financial statements.
			Semiannual Report   10/31/12
Princ	cipal	St D / Moody I s	

		Diversified Metals & Mining (continued)
650,000	CCC+/Caa1	Mirabela Nickel, Ltd., 8.75%, 4/15/18

S&P/Moody's

Ratings

Amount USD (\$)

	550,000 400,000 750,000	CCC+/B3 B+/B1 BB/Ba3	(144A) Molycorp, Inc., 10.0%, 6/1/20 (144A) Mongolian Mining Corp., 8.875%, 3/29/17 (144A) Vedanta Resources Plc, 9.5%, 7/18/18 (144A)
	531,327(g)	CCC+/Caa1	Metal & Glass Containers 1.7% Ardagh Finance SA, 11.125%, 6/1/18 (144A)
EUR	255,000	B+/Ba3	Ardagh Glass Finance Plc, 9.25%, 7/1/16 (144A)
EUR	250,000	CCC+/B3	Ardagh Glass Finance Plc, 8.75%, 2/1/20 (144A)
	175,000 1,237,660(g)	CCC+/B3 CCC+/Caa1	BWAY Holdings Co., 10.0%, 6/15/18 BWAY Parent Co., Inc., 10.125%, 11/1/15
	750,103(d) 500,000	NR/NR B-/Caa1	Paper Packaging 0.7% Bio Pappel SAB de CV, 7.0%, 8/27/16 Pretium Packaging LLC / Pretium Finance, Inc., 11.5%, 4/1/16
			Paper Products 1.9%
	500,000	B+/B1	Appleton Papers, Inc., 10.5%, 6/15/15 (144A)
	200,000	CCC+/B3	Appleton Papers, Inc., 11.25%, 12/15/15
	260,000	BB/Ba3	Clearwater Paper Corp., 10.625%, 6/15/16
	580,000	CCC+/Caa2	Exopack Holdings Corp., 10.0%, 6/1/18
	186,000	B+/B1	Grupo Papelero Scribe SA de CV, 8.875%, 4/7/20 (144A)
	344,000	B+/B3	Mercer International, Inc., 9.5%, 12/1/17
	392,000	BB/B1	Resolute Forest Products, 10.25%, 10/15/18
	545,000	BB/Ba2	Sappi Papier Holding GmbH, 8.375%, 6/15/19 (144A)
	500,000	BB-/Ba3	Precious Metals & Minerals 0.3% ALROSA Finance SA, 8.875%, 11/17/14 (144A)

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

Principal

Amount S&P/Moody's

Ratings	
D : /D2	Steel 5.0%
	AM Castle & Co., 12.75%, 12/15/16
	APERAM, 7.375%, 4/1/16 (144A) Atkore International, Inc., 9.875%, 1/1/18
	Essar Steel Algoma, Inc., 9.375%,
_,	3/15/15 (144A)
CCC/Caa2	Essar Steel Algoma, Inc., 9.875%,
	6/15/15 (144A)
B+/B1	Evraz Group SA, 8.875%, 4/24/13 (144A)
B+/B1	Evraz Group SA, 9.5%, 4/24/18 (144A)
B+/B3	Ferrexpo Finance Plc, 7.875%,
ND /D2	4/7/16 (144A)
	Metinvest BV, 8.75%, 2/14/18 (144A) Metinvest BV, 10.25%, 5/20/15 (144A)
	Optima Specialty Steel, Inc., 12.5%,
2, 22	12/15/16 (144A)
CCC+/Caa2	Ryerson, Inc., 9.0%, 10/15/17 (144A)
CCC+/Caa1	Ryerson, Inc., 12.0%, 11/1/15
CCC/Caa2	Zlomrex International Finance SA, 8.5%,
	2/1/14 (144A)
	Total Materials
	MEDIA 6.2%
	Advertising 1.2%
NR/B3	Good Sam Enterprises LLC, 11.5%, 12/1/16
В/В3	MDC Partners, Inc., 11.0%, 11/1/16
	Broadcasting 3.2%
CCC+/Caa3	Intelsat Bermuda, Ltd., 11.5%, 2/4/17
CCC+/Caa3	Intelsat Luxembourg SA, 11.5%,
, .	2/4/17 (144A)
B+/B1	Nara Cable Funding, Ltd., 8.875%,
כת/ _ם	12/1/18 (144A) Tologat Canada / Tologat IIC 12.5%
B-/B3	Telesat Canada / Telesat LLC, 12.5%, 11/1/17
В/В3	Townsquare Radio LLC / Townsquare
5/ 55	
	Radio, Inc., 9.0%, 4/1/19 (144A)
CCC+/Caa1	
	Radio, Inc., 9.0%, 4/1/19 (144A) Truven Health Analytics, Inc., 10.625%,
	B+/B1 B+/B3 NR/B2 NR/B2 NR/B2 B/B2  CCC+/Caa2 CCC+/Caa1 CCC/Caa2

The accompanying notes are an integral part of these financial statements.

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Principal Amount USD (\$)	S&P/Moody's Ratings	
74,584	B/B2	Cable 0.1% CCH II LLC / CCH II Capital Corp., 13.5%, 11/30/16
1,710,000 200,000	CCC+/Caa1 CCC+/Caa1	Movies & Entertainment 1.2% AMC Entertainment, Inc., 9.75%, 12/1/20 Production Resource Group, Inc., 8.875%, 5/1/19
600,000	CCC/Caa3 B/Caa1	Publishing 0.5% Cengage Learning Acquisitions, Inc., 10.5%, 1/15/15 (144A) Interactive Data Corp., 10.25%, 8/1/18
		Total Media
300,000 1,043,000	B/Caa1 B+/Caa2	PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES 1.2% Biotechnology 0.8% ConvaTec Healthcare E SA, 10.5%, 12/15/18 (144A) Lantheus Medical Imaging, Inc., 9.75%, 5/15/17
130,297	B/Caa1	Life Sciences Tools & Services 0.1% Catalent Pharma Solutions, Inc., 9.5%, 4/15/15
1,215,000(f)	NR/NR	Pharmaceuticals 0.3%  KV Pharmaceutical Co., 12.0%, 3/15/15
		Total Pharmaceuticals, Biotechnology & Life Sciences
200,000	B+/Ba3	REAL ESTATE 0.3% Diversified REIT's 0.1% CNL Lifestyle Properties, Inc., 7.25%, 4/15/19
410,000	B/NR	Real Estate Operating Companies 0.2% IRSA Inversiones y Representaciones SA, 8.5%, 2/2/17 (144A)
		Total Real Estate
1,438,000	B+/B2	RETAILING 1.0% Distributors 1.0% Minerva Overseas II, Ltd., 10.875%, 11/15/19 (144A)
		Total Retailing

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The accompanying notes are an integral part of these financial statements.

Pioneer Diversified High Income Trust | Semiannual Report | 10/31/12 35

Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

Principal Amount JSD (\$)	S&P/Moody's Ratings	
465,000	B+/Caa1	SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT 0.4% Semiconductor Equipment 0.2% MEMC Electronic Materials, Inc., 7.75%, 4/1/19
500,000	NR/NR	Semiconductors 0.2% Advanced Micro Devices, 7.5%, 8/15/22  Total Semiconductors & Semiconductor Equipment
689,000	CC/Caa2	SOFTWARE & SERVICES 1.1% Application Software 0.3% Allen Systems Group, Inc., 10.5%, 11/15/16 (144A)
404,000 91,000	B-/Caal B-/Caal	
938,504(g)(h)	NR/NR	Systems Software 0.5% Pegasus Solutions, Inc., 13.0%, 4/15/14 (144A)  Total Software & Services
415,000	BBB/Baa3	TECHNOLOGY HARDWARE & EQUIPMENT 0.3%  Computer Storage & Peripherals 0.3%  Seagate Technology International, Inc., 10.0%, 5/1/14 (144A)  Total Technology Hardware & Equipment
750,000 350,000	BB-/WR NR/WR	TELECOMMUNICATION SERVICES 2.6% Alternative Carriers 0.7% PAETEC Holding Corp., 8.875%, 6/30/17 PAETEC Holding Corp., 9.875%, 12/1/18

Integrated Telecommunication Services -- 0.5%

388,000 300,000	CCC+/B3 BB/Ba2	Cincinnati Bell, Inc., 8.75%, 3/15/18 Frontier Communications Corp., 8.75%, 4/15/22
300,000 750,000	NR/Caa1 B-/B2	Wireless Telecommunication Services 1.4% Digicel Group, Ltd., 10.5%, 4/15/18 (144A) NII Capital Corp., 10.0%, 8/15/16

The accompanying notes are an integral part of these financial statements.

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Principal Amount USD (\$)	S&P/Moody's Ratings	
1,115,000	BB/Ba3	Wireless Telecommunication Services (continued) Vimpel Communications Via VIP Finance Ireland Ltd. OJSC, 9.125%, 4/30/18 (144A)
		Total Telecommunication Services
1,329,000	CCC+/Caal	TRANSPORTATION 3.0% Air Freight & Logistics 0.7% CEVA Group Plc, 11.5%, 4/1/18 (144A)
109,515	BB+/Ba2	Airlines 1.1% Continental Airlines 1998-1 Class B Pass
250,000	BB+/Ba3	Through Trust, 6.748%, 3/15/17 Delta Air Lines 2010-1 Class B Pass Through Trust, 6.375%, 1/2/16
1,000,000 500,000	B-/NR BB-/NR	Gol Finance, 9.25%, 7/20/20 (144A) TAM Capital 3, Inc., 8.375%, 6/3/21 (144A)
558,000	в/в3	Airport Services 0.3% Aeropuertos Argentina 2000 SA, 10.75%, 12/1/20 (144A)
525 <b>,</b> 000	B+/B3	Marine 0.3% Navios South American Logistics, Inc./Navios Logistics Finance US, Inc., 9.25%, 4/15/19
293 <b>,</b> 732(g)	CCC/Caa3	Railroads 0.2% Florida East Coast Holdings Corp., 10.5%, 8/1/17
425,000	B+/Caa1	Trucking 0.4%  Swift Services Holdings, Inc., 10.0%,

11/15/18

300,000	в/вз	Syncreon Global Ireland, Ltd., 9.5%,
		5/1/18 (144A)

		Total Transportation
		UTILITIES 1.8% Electric Utilities 0.7%
750,000	CCC+/NR	Cia de Energia Electrica en Alta Tension Transener SA, 9.75%, 8/15/21 (144A)
419,000	NR/Caa1	Empresa Distrbuidora Y Comercializadora Norte, 9.75%, 10/25/22 (144A)
225,000	BB+/Ba1	PNM Resources, Inc., 9.25%, 5/15/15
240,000	CCC/Caa1	Texas Competitive Electric Holdings Co., LLC / TCEH Finance, Inc., 11.5%, 10/1/20 (144A)

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

120,000

Principal Amount USD (\$)	S&P/Moody's Ratings	
510,000	CC/Caa3	Electric Utilities (continued) Texas Competitive Electric Holdings Co., LLC / TCEH Finance, Inc., 15.0%, 4/1/21
1,135,000	в/в3	Gas Utilities 0.5% Transportadora de Gas del Sur SA, 7.875%, 5/14/17 (144A)
500,000 500,000	BB-/Ba3 NR/B2	Independent Power Producers & Energy Traders 0.6% InterGen NV, 9.0%, 6/30/17 (144A) Star Energy Geothermal Wayang Windu, Ltd., 11.5%, 2/12/15 (144A)
		Total Utilities
		TOTAL CORPORATE BONDS & NOTES (Cost \$171,962,811)
		CONVERTIBLE BONDS & NOTES 2.7% of Net Assets DIVERSIFIED FINANCIALS 0.1%

Asset Management & Custody Banks -- 0.1%

BBB/NR Apollo Investment Corp., 5.75%, 1/15/16

		Total Diversified Financials
1,040,000(d)	B+/NR	HEALTH CARE EQUIPMENT & SERVICES 1.0% Health Care Equipment & Services 0.7% Hologic, Inc., 2.0%, 12/15/37
405,000	B/NR	
15,000	B+/B2	Health Care Services 0.0%+ Omnicare, Inc., 3.25%, 12/15/35
		Total Health Care Equipment & Services
1,900,000(j)	B+/NR	MATERIALS 1.0% Diversified Chemicals 0.9% Hercules, Inc., 6.5%, 6/30/29
100,000	BB/NR	Diversified Metals & Mining 0.1% Vedanta Resources Jersey, Ltd., 5.5%, 7/13/16
		Total Materials
		of these financial statements.  Semiannual Report   10/31/12
8 Pioneer Diversified rincipal mount	High Income Trust   : S&P/Moody's	
8 Pioneer Diversified	High Income Trust   :	
8 Pioneer Diversified rincipal mount	High Income Trust   : S&P/Moody's	MEDIA 0.4% Movies & Entertainment 0.4% Live Nation Entertainment, Inc., 2.875%, 7/15/27
8 Pioneer Diversified rincipal mount SD (\$)	High Income Trust   S&P/Moody's   Ratings	MEDIA 0.4% Movies & Entertainment 0.4% Live Nation Entertainment, Inc., 2.875%,

BRL	1,750,000	BBB/Baa2	SOVEREIGN DEBT OBLIGATIONS 1.7% of Net Assets Brazil 0.7% Brazilian Government International Bond, 10.25%, 1/10/28				
MXN	8,870,000	A-/Baa1	Mexico 0.4% Mexican Bonos, 7.75%, 11/13/42				
	900,000 B+/B2		Ukraine 0.6% Ukraine Government International Bond, 6.75%, 11/14/17 (144A)				
			TOTAL SOVEREIGN DEBT OBLIGATIONS (Cost \$2,538,991)				
Shares							
	5 <b>,</b> 787		COMMON STOCKS 0.5% of Net Assets AUTOMOBILES & COMPONENTS 0.1% Auto Parts & Equipment 0.1% Lear Corp.				
			Total Automobiles & Components				
	731(k)		DIVERSIFIED FINANCIALS 0.0%+ Other Diversified Financial Services 0.0%+ BTA Bank JSC (G.D.R.)				
			Total Diversified Financials				
	Pioneer Diversified Hig	gh Income Tri	of these financial statements.  ust   Semiannual Report   10/31/12 39  dated) (unaudited) (continued)				
Shares							
	1,109(k)		ENERGY 0.1% Oil & Gas Drilling 0.0% Rowan Companies, Plc				
NOK	19,571(k)		Oil & Gas Equipment & Services 0.1% Sevan Marine ASA				
			Total Energy				
	371,096(c)(h)(k)		MATERIALS 0.1% Diversified Metals & Mining 0.1% Blaze Recycling and Metals LLC Class A Units				
CAD	13,963(k)		Forest Products 0.0% Ainsworth Lumber Co., Ltd.				

	Total Materials
2,114(h)(k)	SOFTWARE & SERVICES 0.0% Systems Software 0.0% Perseus Holding Corp.
	Total Software & Services
247,509(h)(k)	TRANSPORTATION 0.2%  Marine 0.2%  Horizon Lines, Inc.
	Total Transportation
	TOTAL COMMON STOCKS (Cost \$1,258,134)
470 (e)	CONVERTIBLE PREFERRED STOCK 0.3% of Net Assets DIVERSIFIED FINANCIALS 0.3% Other Diversified Financial Services 0.3% Bank of America Corp., 7.25%  Total Diversified Financials
	TOTAL CONVERTIBLE PREFERRED STOCK
	(Cost \$382,900)
40,675(b)	PREFERRED STOCKS 0.7% of Net Assets DIVERSIFIED FINANCIALS 0.7% Other Diversified Financial Services 0.7% GMAC Capital Trust I, 8.125%
	Total Diversified Financials
	egral part of these financial statements.  e Trust   Semiannual Report   10/31/12
	SOFTWARE & SERVICES 0.0%
1,110(h)(k)	Data Processing & Outsourced Services 0.0% Perseus Holding Corp., 14.0%
	Total Software & Services
	TOTAL PREFERRED STOCKS (Cost \$933,996)
Principal Amount	

EUR 117,599 NOK 6,243,085	1.4% of Net Assets TIME DEPOSITS: 0.7% Citibank, London, -0.019%, 11/1/12 BBHGrandCayman, 0.35%, 11/1/12
	Total Time Deposits
1,135,000	REPURCHASE AGREEMENT: 0.7%  JPMorgan Chase Bank, .3%, dated  11/1/12, repurchase price of \$1,135,000  plus accrued interest on 11/1/12  collateralized by \$9,792,221 Federal  National Mortgage Association,  2.5% 4.0%, 5/1/22 7/1/30
	TOTAL TEMPORARY CASH INVESTMENTS (Cost \$2,382,054)
	TOTAL INVESTMENTS IN SECURITIES 140.5% (Cost \$233,354,238) (1)
	OTHER ASSETS AND LIABILITIES (40.5)%
	NET ASSETS APPLICABLE TO COMMON SHAREOWNERS 100.0%

- Amount rounds to less than 0.1%.
- NR Security not rated by S&P or Moody's.
- WR Rating withdrawn by either S&P or Moody's.
- (144A) Security is exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold normally to qualified institutional buyers in a transaction exempt from registration. At October 31, 2012, the value of these securities amounted to \$114,678,167, or 69.0% of total net assets applicable to common shareowners.
- \* Senior secured floating rate loan interests in which the Trust invests generally pay interest at rates that are periodically redetermined by reference to a base lending plus a premium. These base lending rates are generally (i) the lending rate offered by one or more major European banks, such as LIBOR (London InterBank Offered Rate), (ii) the prime rate offered by one or more major United States banks, (iii) the certificate of deposit or (iv) other base lending rates used by commercial lenders. The interest rate shown is the rate accruing at October 31, 2012.
- (a) Floating rate note. The rate shown is the coupon rate at October 31, 2012.

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

(b) The interest rate is subject to change periodically. The interest is

shown is the rate at October 31, 2012.

- (c) Security is valued using fair value methods (other than prices supplied by independent pricing services). (See Note 1A).
- (d) Debt obligation initially issued at one coupon which converts to a higher coupon at a specific date. The rate shown is the rate at October 31, 2012.
- (e) Security is perpetual in nature and has no stated maturity date.
- (f) Security is in default and is non income producing.
- (g) Payment in Kind (PIK) security which may pay interest in the form of additional principal amount.
- (h) Indicates a security that has been deemed as illiquid. The aggregate cost of illiquid securities is \$3,941,784. The aggregate fair value of \$1,579,623 represents 0.9% of total net assets applicable to common shareowners.
- (i) Security issued with a zero coupon. Income is recognized through accretion of discount.
- (j) Security is priced as a unit.
- (k) Non-income producing.
- (1) At October 31, 2012, the net unrealized gain on investments based on cost for federal tax purposes of \$235,017,125 was as follows:

Aggregate gross unrealized gain for all investments in which there is an excess of value over tax cost

Aggregate gross unrealized loss for all investments in which there is an excess of tax cost over value

Net unrealized loss

For financial reporting purposes net unrealized loss on investments was \$812,782 and cost of investments aggregated \$234,422,280.

Purchases and sales of securities (excluding temporary cash investments) for the six months ended October 31, 2012 aggregated \$37,758,236 and \$23,178,211, respectively.

Glossary of Terms:

(G.D.R.) Global Depositary Receipt

Principal amounts are denominated in U.S. dollars unless otherwise noted.

BRL -- Brazilian Real

EUR -- Euro

GBP -- Great British Pound NOK -- Norwegian Krone MXN -- Mexican Peso

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Various inputs are used in determining the value of the Trust's investments. These inputs are summarized in the three broad levels below.

- Level 1 -- quoted prices in active markets for identical securities
- Level 2 -- other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds credit risks, etc.)
- Level 3 -- significant unobservable inputs (including the Trust's own assumptions in determining fair value of investments)

Generally, equity securities are categorized as Level 1, fixed income securities and senior loans are categorized as Level 2, and securities valued using fair value methods (other than prices supplied by independent pricing services) as level 3. See Notes to Financial Statements -- Note 1A.

The accompanying notes are an integral part of these financial statements.

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The following is a summary of the inputs used as of October 31, 2012, in valuing the Trust's investments:

	Level 1	Level 2	Level 3	Т
Asset backed securities	\$	\$ 2,007,287		\$
Collateralized mortgage obligations		1,119,561		
Commercial mortgage-backed				
securities		789 <b>,</b> 175		
Senior secured floating rate				
loan interests		46,252,010		
Corporate bonds & notes				
Auto parts & equipment		2,093,845		
All other		169,156,019		1
Convertible bonds & notes		4,430,253		
Sovereign debt obligations		2,861,173		
Common stocks				
Diversified metals & mining			\$166 <b>,</b> 993	
Systems software		5,285		
All other	698,735			
Convertible preferred stock:	523,923			
Preferred stocks				
Data processing & outsourced services		59,940		
All other	1,063,245			
Temporary cash investments				
Time deposits		1,247,054		
Repurchase agreement		1,135,000		
Total Investments in				
Securities Assets	\$ 2,285,903	\$231,156,602	\$166 <b>,</b> 993	\$2
Other Financial Instruments		(143,927)		

\* Other Financial Instruments include the unrealized depreciation on forward foreign currency contracts and unrealized the depreciation on unfunded loan commitments.

The accompanying notes are an integral part of these financial statements.

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Schedule of Investments | 10/31/12 (Consolidated) (unaudited) (continued)

The following is a reconciliation of assets valued using significant unobservable inputs (level 3):

	Balance as of 4/30/12	Realized gain (loss)(1)	Change in Unrealized appreciation (depreciation) (1)	Purchases	Sales	Accrued discounts/premiums
Convertible bonds & notes Marine Common stocks Diversified Metals	\$296,699	\$ (328,430)	\$432 <b>,</b> 867	\$21 <b>,</b> 875	\$(429,276)	\$6,265
& Mining	244,923		(77,930)			
Total	\$541,622	\$ (328,430)	\$354,937	\$21,875	\$(429,276)	\$6,265

- \* Transfers are calculated on the beginning of period values.
- (1) Realized gain (loss) on these securities is included in the realized gain (loss) from investments in the Statement of Operations.
- (2) Unrealized appreciation (depreciation) on these securities is included in the change in unrealized gain (loss) from investments in the Statement of Operations.

The net change in unrealized appreciation of Level 3 investments still held at year end is \$(77,930)

During the six months ended October 31, 2012, there were no transfers between Levels 1, 2, and 3.

The accompanying notes are an integral part of these financial statements.

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Statement of Assets and Liabilities | 10/31/12 (Consolidated) (unaudited)

ASSETS: Investments in securities, at value (cost \$233,354,238)		
Foreign currencies, at value		
Receivables		
Interest receivable		
Appreciation on unfunded loan commitment - net		
Reinvestment of distributions Prepaid expenses		
Other assets		
Total assets		
LIABILITIES:		
Payables		
Notes payable		
Investment securities purchased		
Interest expense payable		
Administration - fee payable Forward foreign currency portfolio hedge contracts - net		
Due to custodian (cost \$(457,748))		
Due to affiliates		
Accrued expenses		
Total liabilities		
NET ASSETS APPLICABLE TO COMMON SHAREOWNERS:		
Paid-in capital		5
Undistributed net investment income		
Accumulated net realized loss on investments and foreign currency	transactions	
Net unrealized gain on investments and unfunded loan commitment		
Net unrealized loss on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	er	
Net assets applicable to shareowners		5
NET ASSET VALUE PER COMMON SHARE:		-===
No par value (unlimited number of shares authorized)		
Based on \$166,294,516/8,277,477 common shares		
The accompanying notes are an integral part of these financial state	ements.	
Pioneer Diversified High Income Trust   Semiannual Report	10/31/12 45	
Statement of Operations (Consolidated) (unaudited)		
For the six months ended 10/31/12		
INVESTMENT INCOME:		
Interest	\$10,751,235	
Dividends (net of foreign taxes withheld \$33)	60,352	
Facility and other fees	143,598	
Total Investment income		
EXPENSES:		
Management fees	\$ 985,435	

Administrative reimbursements

Administrative reimbursements	0,633	
Transfer agent fees and expenses	8,632	
Shareholder communications expense	5 <b>,</b> 543	
Custodian fees	13,807	
Registration fees	8,828	
Professional fees	46,512	
Printing expenses	14,569	
Trustees' fees	3,822	
Pricing fees	15,298	
Miscellaneous	32,914	
Net operating expenses		\$ 
Interest expense		\$
Net operating expenses and interest expense		\$
Net investment income		\$
REALIZED AND UNREALIZED GAIN (LOSS) ON INVESTMENTS		
AND FOREIGN CURRENCY TRANSACTIONS:		
Net realized gain (loss) on:		
Investments	\$ (577,391)	
Forward foreign currency contracts and other assets	\$ (377 <b>,</b> 331)	
and liabilities denominated in foreign currencies	213,546	\$
Change in net unrealized gain (loss) on: Investments and unfunded loan commitment	\$ 2 924 047	
	\$ 3,834,047	
Unfunded loan commitments	9,021	
Forward foreign currency contracts and other assets	(72 054)	ć
and liabilities denominated in foreign currencies	(73,954)	ې 
Net gain on investments and foreign currency transactions		\$
Net increase in net assets resulting from operations		\$ ======
The accompanying notes are an integral part of these financial statem	ents.	
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Statements of Changes in Net Assets (Consolidated)		
	Six Months	
	Ended	
	10/31/12	Year
	(unaudited)	4/30
FROM OPERATIONS:		
Net investment income	\$ 9,363,661	\$
Net realized loss on investments and foreign currency transactions	(363,845)	
Change in net unrealized gain (loss) on investments		
and foreign currency transactions	3,769,114	
Net increase in net assets resulting from operations	\$ 12,768,930	 \$
Not increase in her assets resulting from operations	Y 12, 100, 550	¥

55,634

DISTRIBUTIONS TO COMMON SHAREOWNERS: Net investment income (\$0.96 and \$1.96 per share, respectively)	\$ (7,939,051)	\$ (
Total distributions to shareowners	\$ (7,939,051)	\$ (
FROM TRUST SHARE TRANSACTIONS: Conversion Reinvestment of distributions	\$ (366) \$ 319,448	\$ \$
Net increase in net assets from Trust share transactions	\$ 319,082	\$
Net increase (decrease) in net assets NET ASSETS: Beginning of period	\$ 5,148,961 161,145,555	\$ ( 1
End of period	\$166,294,516	\$ 1
Undistributed (distributions in excess of) net investment income	\$ 1,228,038	\$ 

The accompanying notes are an integral part of these financial statements.

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Statement of Cash Flows (Consolidated) (unaudited)

For the six months ended 10/31/12

Cash Flows From Operating Activities Net increase in net assets resulting from operations	\$
Adjustments to reconcile the net increase in net assets resulting from	
operations to net cash provided by operating activities	
Purchase of investments securities	\$
Proceeds from disposition of investment securities	
Decrease in receivable for investments sold	
Increase in Interest and foreign tax reclaim receivable	
Decrease in prepaid expenses	
Increase in other assets	
Decrease in accrued interest payable	
Decrease in payable for investments purchased	
Increase Due to affiliates and administration fees	
Increase in accrued expenses	
Increase in other liabilities	
Change in unrealized appreciation of investments	
Change in unrealized depreciation of foreign currency contracts and	
other denominated foreign currencies	
Net realized loss from investments	
Net realized gain of foreign currency contracts and other foreign denominated currencies	
Net cash and foreign currency provided by operating activities	\$
Cash flows Used Financing Activities:	
Conversion	\$
Reinvestment of distributions	\$

Cash dividends paid to common shareholders	\$
Net cash flow used in financing activities	\$
Cash and Foreign Currency Beginning of the period	\$
End of period	\$ \$

The accompanying notes are an integral part of these financial statements.

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Financial Highlights

	(Unaudited)	Year Ended 4/30/12 (Consolidated)	Ended 4/30/11	Y∈ En
Per Share Operating Performance Net asset value, beginning of period	\$ 19.51	\$ 21.01	\$ 20.17	\$
Increase (decrease) from investment operations: (a) Net investment income Net realized and unrealized gain (loss) on investments and foreign currency	\$ 1.13	\$ 2.10	\$ 2.03	\$
transactions		(1.64)	0.73	
Net increase (decrease) from investment operations		\$ 0.46	\$ 2.76	\$
Distributions to common shareowners from: Net investment income Tax return of capital Capital charge with respect to issuance of shares	(0.96) 	(1.96) 	(1.92)	
Net increase (decrease) in net asset value	\$ 0.58	\$ (1.50)	\$ 0.84	\$
Net asset value, end of period(d)		\$ 19.51	\$ 21.01	\$
Market value, end of period(d)	\$ 20.49	·	•	\$
Total return at market value(e) Ratios to average net assets Net operating expenses Interest expense Net expenses	6.84% 1.47%(f) 0.49%(f) 1.96%(f)	1.35% 1.48% 0.56% 2.04%	17.95% 1.62% 0.58% 2.20%	
Net investment income Portfolio turnover Net assets, end of period (in thousands)			10.02% 30% \$172,881	\$1

The accompanying notes are an integral part of these financial statements.

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Financial Highlights (continued)

Six Month	hs		
T - 1 - 1			
Ended	Year	Year	
10/31/12	Ended	Ended	Υe
(Unaudite	ed) 4/30/12	4/30/11	Εn
(Consolic	dated) (Consolidated	(Consolidated)	4/
Ratios to average net assets before waivers and reimbursements of expenses			
Net operating expenses 1.479	%(f) 1.48%	1.64%	
Interest expense 0.499	%(f) 0.56%	0.58%	
Net expenses 1.969	%(f) 2.04%	2.22%	
Net investment income 11.54	%(f) 10.75%	10.00%	

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- (a) The per common share data presented above is based upon the average common shares outstanding for the periods presented.
- (b) Trust shares were first publicly offered on May 24, 2007 and commenced operations on May 30, 2007.
- (c) Net asset value immediately after the closing of the first public offering was \$23.83.
- (d) Net asset value and market value are published in Barron's on Saturday, The Wall Street Journal on Monday and The New York Times on Monday and Saturday.
- (e) Total investment return is calculated assuming a purchase of common shares at the current market value on the first day and a sale at the current market value on the last day of the periods reported. Dividends and distributions, if any, are assumed for purposes of this calculation to be reinvested at prices obtained under the Trust's dividend reinvestment plan. Total investment return does not reflect brokerage commissions. Past performance is not a guarantee of future results.
- (f) Annualized.

The accompanying notes are an integral part of these financial statements.

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Notes to Financial Statements | 10/31/12 (Consolidated) (unaudited)

1. Organization and Significant Accounting Policies

Pioneer Diversified High Income Trust (the Trust) was organized as a Delaware statutory trust on January 30, 2007. Prior to commencing operations on May 30,

2007, the Trust had no operations other than matters relating to its organization and registration as a diversified, closed-end management investment company under the Investment Company Act of 1940, as amended. The investment objective of the Trust is to provide a high level of current income and the Trust may, as a secondary objective, also seek capital appreciation to the extent that it is consistent with its investment objective.

The Trust's financial statements have been prepared in conformity with U.S. generally accepted accounting principles that require the management of the Trust to, among other things, make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of income, expenses and gain or loss on investments during the reporting period. Actual results could differ from those estimates.

The following is a summary of significant accounting policies followed by the Trust in the preparation of its financial statements, which are consistent with those policies generally accepted in the investment company industry:

### A. Security Valuation

Security transactions are recorded as of trade date. Investments in loan interests are valued in accordance with guidelines established by the Board of Trustees at the mean between the last available bid and asked prices from one or more brokers or dealers as obtained from Loan Pricing Corporation. Senior floating rate loan interests (senior loans) for which no reliable price quotes are available will be valued by Loan Pricing Corporation through the use of pricing matrices to determine valuations. Fixed income securities with remaining maturities of more than sixty days are valued at prices supplied by independent pricing services, which consider such factors as market prices, market events, quotations from one or more brokers, Treasury spreads, yields, maturities and ratings. Valuations may be supplemented by dealers and other sources, as required. Equity securities that have traded on an exchange are valued at the last sale price on the principal exchange where they are traded. Equity securities that have not traded on the date of valuation or securities for which sale prices are not available, generally are valued using the mean between the last bid and asked prices. Short-term fixed income securities with remaining maturities of sixty days or less generally are valued at amortized cost. Money market mutual funds are valued at net asset value.

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Trading in foreign securities is substantially completed each day at various times prior to the close of the NYSE. The values of such securities used in computing the net asset value of the Trust's shares are determined as of such times.

Securities or loans for which independent pricing services are unable to supply prices or for which market prices and/or quotations are not readily available or are considered to be unreliable are valued using fair value methods pursuant to procedures adopted by the Board of Trustees. The Trust may use fair value methods if it is determined that a significant event has occurred after the close of the exchange or market on which the security trades and prior to the determination of the Trust's net asset value. Examples of a significant event might include political or economic news, corporate restructurings, natural disasters, terrorist activity or trading halts. Thus, the valuation of the Trust's securities may differ from exchange prices.

At October 31, 2012, one security was valued using fair value methods (in

addition to securities valued using prices supplied by independent pricing services) representing 0.1% of net assets. Inputs used when applying fair value methods to value a security may include credit ratings, the financial condition of the company, current market conditions and comparable securities.

Discounts and premiums on debt securities are accreted or amortized, respectively, daily, into interest income on an effective yield to maturity basis with a corresponding increase or decrease in the cost basis of the security. Premiums and discounts related to certain mortgage-backed securities are amortized or accreted in proportion to the monthly paydowns. Interest income, including interest on income bearing cash accounts, is recorded on an accrual basis, net of unrecoverable foreign taxes withheld at the applicable country rates.

Dividend income is recorded on the ex-dividend date, except that certain dividends from foreign securities where the ex-dividend date may have passed are recorded as soon as the Trust becomes aware of the ex-dividend data in the exercise of reasonable diligence.

Gains and losses on sales of investments are calculated on the identified cost method for both financial reporting and federal income tax purposes.

### B. Foreign Currency Translation

The books and records of the Trust are maintained in U.S. dollars. Amounts denominated in foreign currencies are translated into U.S. dollars using current exchange rates.

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Net realized gains and losses on foreign currency transactions, if any, represent, among other things, the net realized gains and losses on foreign currency contracts, disposition of foreign currencies and the difference between the amount of income accrued and the U.S. dollars actually received. Further, the effects of changes in foreign currency exchange rates on investments are not segregated in the Statement of Operations from the effects of changes in market prices of those securities but are included with the net realized and unrealized gain or loss on investments.

### C. Forward Foreign Currency Contracts

The Trust may enter into forward foreign currency contracts (contracts) for the purchase or sale of a specific foreign currency at a fixed price on a future date. All contracts are marked to market daily at the applicable exchange rates, and any resulting unrealized gains or losses are recorded in the Trust's financial statements. The Trust records realized gains and losses at the time a portfolio hedge is offset by entry into a closing transaction or extinguished by delivery of the currency. Risks may arise upon entering into these contracts from the potential inability of counterparties to meet the terms of the contracts and from unanticipated movements in the value of foreign currencies relative to the U.S. dollar (see Note 6).

### D. Federal Income Taxes

It is the Trust's policy to comply with the requirements of the Internal Revenue Code applicable to regulated investment companies and to distribute all of its taxable income and net realized capital gains, if any, to its shareowners. Therefore, no federal income tax provision is required. Tax years for the prior three fiscal years remain subject to examination by

federal and state tax authorities.

The amounts and characterizations of distributions to shareowners for financial reporting purposes are determined in accordance with federal income tax rules. Therefore, the sources of the Trust's distributions may be shown in the accompanying financial statements as from or in excess of net investment income or as from net realized gain (loss) on investment and foreign currency transactions, or as from paid-in capital, depending on the type of book/tax differences that may exist.

The tax character of current year distributions payable to shareowners will be determined at the end of the current taxable year. The tax character of distribution paid during the year ended April 30, 2012 was as follows:

Distribution paid from:
Ordinary income \$16,161,281

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The following shows the components of distributable earnings (losses) on a federal income tax basis at April 30, 2012:

2012

Distributable earnings:
Undistributed ordinary income \$ 1,342,759
Capital loss carryforward (25,908,321)
Post-October loss deferred (2,052,913)
Dividends payable (1,321,798)
Unrealized depreciation (4,130,066)

Total \$(32,070,339)

The difference between book-basis and tax-basis unrealized appreciation is primarily attributable to the tax deferral of losses on wash sales, the realization for tax purposes of unrealized gains on investments in passive foreign investment companies, the book/tax differences in the accrual of income on securities in default, the difference between book and tax amortization methods for premiums and discounts on fixed income securities and other temporary book/tax differences.

#### E. Risks

Information regarding the Trust's principal risks is contained in the Trust's original offering prospectus, with additional information included in the Trust's shareowner reports issued from time to time. Please refer to those documents when considering the Trust's principal risks. At times, the Trust's investments may represent industries or industry sectors that are interrelated or have common risks, making the Trust more susceptible to any economic, political, or regulatory developments or other risks affecting those industries and sectors.

The Trust invests in below investment grade (high yield) debt securities, floating rate loans and event-linked bonds sometimes referred to as "catastrophe" bonds or "insurance-linked" bonds. The Trust may invest in securities and other obligations of any credit quality, including those that are rated below investment grade, or are unrated but are determined by the investment adviser to be of equivalent credit quality. Below investment grade securities are commonly referred to as "junk bonds" and are considered speculative with respect to the issuer's capacity to pay interest and repay principal. These securities involve greater risk of loss, are subject to greater price volatility, and are less liquid, especially during periods of economic uncertainty or change, than higher rated debt securities. The Trust may invest in securities of issuers that are in default or that are in bankruptcy.

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The Trust's investments in certain foreign markets or countries with limited developing markets may subject the Trust to a greater degree of risk than would investments in a developed market. These risks include disruptive political or economic conditions and the possible imposition of adverse governmental laws or currency exchange restrictions.

## F. Repurchase Agreements

With respect to repurchase agreements entered into by the Trust, the value of the underlying securities (collateral), including accrued interest, is required to be equal to or in excess of the repurchase price. The collateral for all repurchase agreements is held in safekeeping in the customer-only account of the Trust's custodian or a subcustodian of the Trust. The Trust's investment adviser, Pioneer Investment Management, Inc. (PIM), is responsible for determining that the value of the collateral remains at least equal to the repurchase price.

### G. Automatic Dividend Reinvestment Plan

All common shareowners whose shares are registered in their own names automatically participate in the Automatic Dividend Reinvestment Plan (the Plan), under which participants receive all dividends and capital gain distributions (collectively, dividends) in full and fractional common shares of the Trust in lieu of cash. Shareowners may elect not to participate in the Plan. Shareowners not participating in the Plan receive all dividends and capital gain distributions in cash. Participation in the Plan is completely voluntary and may be terminated or resumed at any time without penalty by notifying American Stock Transfer & Trust Company, the agent for shareowners in administering the Plan (the Plan Agent), in writing prior to any dividend record date; otherwise such termination or resumption will be effective with respect to any subsequently declared dividend or other distribution.

If a shareowner's shares are held in the name of a brokerage firm, bank or other nominee, the shareowner can ask the firm or nominee to participate in the Plan on the shareowner's behalf. If the firm or nominee does not offer

the Plan, dividends will be paid in cash to the shareowner of record. A firm or nominee may reinvest a shareowner's cash dividends in common shares of the Trust on terms that differ from the terms of the Plan.

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Whenever the Trust declares a dividend on common shares payable in cash, participants in the Plan will receive the equivalent in common shares acquired by the Plan Agent either (i) through receipt of additional unissued but authorized common shares from the Trust or (ii) by purchase of outstanding common shares on the New York Stock Exchange or elsewhere. If, on the payment date for any dividend, the net asset value per common share is equal to or less than the market price per share plus estimated brokerage trading fees (market premium), the Plan Agent will invest the dividend amount in newly issued common shares. The number of newly issued common shares to be credited to each account will be determined by dividing the dollar amount of the dividend by the net asset value per common share on the date the shares are issued, provided that the maximum discount from the then current market price per share on the date of issuance does not exceed 5%. If, on the payment date for any dividend, the net asset value per common share is greater than the market value (market discount), the Plan Agent will invest the dividend amount in common shares acquired in open-market purchases. There are no brokerage charges with respect to newly issued common shares. However, each participant will pay a pro rata share of brokerage trading fees incurred with respect to the Plan Agent's open-market purchases. Participating in the Plan does not relieve shareowners from any federal, state or local taxes which may be due on dividends paid in any taxable year. Shareowners holding Plan shares in a brokerage account may not be able to transfer the shares to another broker and continue to participate in the Plan.

### 2. Management Agreement

PIM, a wholly owned indirect subsidiary of UniCredit S.p.A. (UniCredit), manages the Trust's portfolio. Management fees payable under the Trust's Advisory Agreement with PIM are calculated daily at the annual rate of 0.85% of the Trust's average daily managed assets. "Managed assets" means (a) the total assets of the Trust, including any form of investment leverage, minus (b) all accrued liabilities incurred in the normal course of operations, which shall not include any liabilities or obligations attributable to investment leverage obtained through (i) indebtedness of any type (including, without limitation, borrowing through a credit facility of the issuance of debt securities), (ii) the issuance of preferred stock or other similar preference securities, and/or (iii) any other means. For the six months ended October 31, 2012, the net management fee was 0.85% of the Trust's average daily managed assets, which was equivalent to 0.60% of the Trust's average daily net assets.

In addition, under PIM's management and administration agreements, certain other services and costs are paid by PIM and reimbursed by the Trust. At October 31, 2012 \$214,046 was payable to PIM related to

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management costs, administrative costs and certain other reimbursements and is included in "Due to affiliates" and "Administration fee" on the Statement of Assets and Liabilities.

Effective May 1, 2012, PIM has retained Brown Brothers Harriman & Co. (BBH) to provide certain administrative and accounting services to the Trust on its

behalf. For such services, PIM pays BBH a monthly fee at an annual rate of 0.025% of the Trust's average daily managed assets subject to a minimum monthly fee of \$6,250. Previously, PIM had retained State Street Bank and Trust Company (State Street) to provide such services. PIM paid SSB a monthly fee at an annual rate of 0.07% of the Trust's average daily managed assets in excess up to \$500 million, subject to a minimum monthly fee of \$10,000. Neither BBH nor State Street had received compensation directly from the Trust for providing such services.

#### 3. Transfer Agents

Pioneer Investment Management Shareholder Services, Inc. (PIMSS), a wholly owned indirect subsidiary of UniCredit, through a sub-transfer agency agreement with American Stock Transfer & Trust Company, provides substantially all transfer agent and shareowner services related to the Trust at negotiated rates.

In addition, the Trust reimburses PIMSS for out-of-pocket expenses incurred by PIMSS related to shareowner communications activities such as proxy and statement mailings and outgoing phone calls.

### 4. Basis for Consolidation for the Pioneer Diversified High Income Trust

The consolidated financial statements of the Trust include the accounts of Blaze Holding DHINCT, Inc. ("the Subsidiary"). All intercompany accounts and transactions have been eliminated in consolidation. The Subsidiary, a Delaware corporation, was incorporated on February 10, 2011 and is wholly-owned and controlled by the Trust. It is intended that the Trust will remain the sole shareholder of, and will continue to control, the Subsidiary. The Subsidiary acts as an investment vehicle for the Trust's interest in Blaze Recycling and Metals LLC, Class A Units. As of October 31, 2012, the Subsidiary represented approximately \$166,993 or approximately 0.1% of the net assets of the Trust.

### 5. Expense Offset Arrangement

The Trust has entered into an arrangement with its custodian whereby credits realized as a result of uninvested cash balances are used to reduce a portion of the Trust's custodian expenses. For the six months ended October 31, 2012, the Trust expenses were not reduced under such arrangement.

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### 6. Forward Foreign Currency Contracts

During the six months ended October 31, 2012, the Trust entered into various forward foreign currency contracts that obligate the Trust to deliver or take delivery of currencies at specified future maturity dates. Alternatively, prior to the settlement date of a forward foreign currency contract, the Trust may close out such contract by entering into an offsetting contract. The average value of contracts open during the six months ended October 31, 2012 was \$4,525,625. At October 31, 2012, the Trust had no outstanding settlement contracts.

Open portfolio hedges at October 31, 2012, were as follows:

	Net				
	Contracts	In			Net
	to Receive/	Exchange	Settlement		Unrealized
Currency	(Deliver)	For US\$	Date	US\$ Value	Loss

-----

EUR	(2,556,000)	\$(3,187,690)	03/28/13	\$(3,318,265)	\$(130,576)
GBP	(404,000)	(638,192)	12/14/12	(651,544)	(13,351)
Total					\$(143,927)

#### 7. Loan Agreement

Effective February 3, 2012, the Trust extended the maturity of its existing Revolving Credit Facility (the Credit Agreement) with the Bank of Nova Scotia; the size of the Credit Agreement remains at \$75 million.

At October 31, 2012, the Trust had a borrowing outstanding under the Credit Agreement totaling \$69,000,000. The interest rate charged at October 31, 2012 was 1.12%. During the six months ended October 31, 2012, the average daily balance was \$69,000,000 at a weighted average interest rate of 1.14%. With respect to the loan, interest expense of \$400,530 is included in the Statement of Operations.

The Trust is required to maintain 300% asset coverage with respect to amounts outstanding under the Credit Agreement. Asset coverage is calculated by subtracting the Trust's total liabilities, not including any bank loans and senior securities, from the Trust's total assets and dividing such amount by the principal amount of the borrowings outstanding. As of the date indicated below, the Trust's debt outstanding and asset coverage were as follows:

	Total Amount	Asset coverage
	of Debt	Per \$1,000 of
Date	Outstanding	Indebtedness
October 31, 2012	\$69,000,000	\$3,410

### 8. Unfunded Loan Commitments

As of October 31, 2012, the Trust had no unfunded loan commitments.

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However, the Trust had the following bridge loan commitments outstanding as of October 31, 2012

Borrower	Par	Cost	Value	Unrealized Gain (Loss)
Cequel Communications LLC Hamilton Sundstrand Corp., Term Loan DuPont Peformance Coating	\$650,000 500,000 900,000	\$ 650,000 500,000 1,165,095	502,500	2,500

Total \$7,370

#### 9. Trust Shares

There are an unlimited number of common shares of beneficial interest authorized.

Transactions in common shares of beneficial interest for the six months ended October 31, 2012 and the year ended April 30, 2011 were as follows:

	10/31/2012	4/30/12
Shares outstanding at beginning of year	8,261,236	8,227,194
Reinvestment of distributions	16,241	34,042
Shares outstanding at end of year	8,277,477	8,261,236

10. Additional Disclosures about Derivative Instruments and Hedging Activities:

Values of derivative instruments as of October 31, 2012 were as follows:

Derivatives Not Accounted for as				
Hedging Instruments	Asset Derivatives 2012		Liabilities Derivatives 2012	
Under Accounting				
Standards Codification	Balance Sheet		Balance Sheet	
(ASC) 815	Location	Value	Location	Value
Forward Exchange Contracts	Receivables	\$	Payables	\$ (143,927)
Total		\$		\$ (143,927)

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The effect of derivative instruments on the Statement of Operations for the six months ended October 31, 2012 was as follows:

Derivatives Not			Change in
Accounted for as		Realized	Unrealized
Hedging Instruments		Gain on	Gain or (Loss)
Under Accounting	Location of Gain or (Loss)	Derivatives	on Derivatives
Standards Codification	on Derivatives Recognized	Recognized	Recognized
(ASC) 815	in Income	in Income	in Income

Forward Exchange Contracts

Net realized gain on forward
foreign currency contracts and
other assets and liabilities
denominated in foreign
currencies

Forward Exchange Contracts

Change in net unrealized gain
(loss) on forward foreign
currency contracts and other
assets and liabilities
denominated in foreign currencies

11. Subsequent Events

The Board of Trustees of the Trust declared on November 5, 2012 a dividend from undistributed net investment income of \$0.16 per common share payable November 30, 2012, to shareowners of record on November 16, 2012.

Results of Shareholder Meeting (unaudited)

At the annual meeting of shareowners held on September 18, 2012, shareowners of Pioneer Diversified High Income Trust were asked to consider the proposal described below. A report of the total votes cast by the Trust's shareholders follows:

Proposal 1 -- To elect Class II Trustees.

Nominee	For	Withheld
Thomas J. Perna	4,873,236	174,174
Marguerite A. Piret	4,850,955	196,455

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Trustees, Officers and Service Providers

Trustees
Thomas J. Perna, Chairman
David R. Bock
John F. Cogan, Jr.
Benjamin M. Friedman
Margaret B.W. Graham
Daniel K. Kingsbury
Marguerite A. Piret
Stephen K. West

Investment Adviser and Administrator Pioneer Investment Management, Inc.

Custodian and Sub-Administrator Brown Brothers Harriman & Co.

Legal Counsel

Officers
John F. Cogan, Jr., President\*
Daniel K. Kingsbury, Executive
Vice President
Mark E. Bradley, Treasurer\*\*
Christopher J. Kelley, Secretary

Bingham McCutchen LLP

Transfer Agent

Pioneer Investment Management Shareholder Services, Inc

Shareowner Services and Transfer Agent American Stock Transfer & Trust Company

Proxy Voting Policies and Procedures of the Fund are available without charge, upon request, by calling our toll free number (1-800-225-6292). Information regarding how the Fund voted proxies relating to portfolio securities during the most recent 12-month period ended June 30 is publicly available to shareowners at us.pioneerinvestments.com. This information is also available on the Securities and Exchange Commission's web site at http://www.sec.gov.

- \* Chief Executive Officer of the Trust
- \*\* Chief Financial and Accounting Officer of the Trust

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This page for your notes.

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How to Contact Pioneer

We are pleased to offer a variety of convenient ways for you to contact us for assistance or information.

You can call American Stock Transfer & Trust Company (AST) for:

Account Information

1-800-710-0935

Or write to AST:

\_\_\_\_\_\_

For Write to

General inquiries, lost dividend checks, change of address, lost stock certificates, stock transfer

American Stock Transfer & Trust Operations Center 6201 15th Ave. Brooklyn, NY 11219

Dividend reinvestment plan (DRIP)

American Stock Transfer & Trust Wall Street Station P.O. Box 922 New York, NY 10269-0560

Website www.amstock.com

For additional information, please contact your investment advisor or visit our web site us.pioneerinvestments.com.

The Trust files a complete schedule of investments with the Securities and Exchange Commission for the first and third quarters for each fiscal year on Form N-Q. Shareowners may view the filed Form N-Q by visiting the Commission's web site at www.sec.gov. The filed form may also be viewed and copied at the Commission's Public Reference Room in Washington, DC. Information regarding the operations of the Public Reference Room may be obtained by calling 1-800-SEC-0330.

[LOGO] PIONEER
Invesments(R)

Pioneer Investment Management, Inc. 60 State Street Boston, MA 02109 us.pioneerinvestments.com

Securities offered through Pioneer Funds Distributor, Inc. 60 State Street, Boston, MA 02109 Underwriter of Pioneer Mutual Funds, Member SIPC (c) 2012 Pioneer Investments 21398-05-1212

ITEM 2. CODE OF ETHICS.

(a) Disclose whether, as of the end of the period covered by the report, the registrant has adopted a code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, regardless of whether these individuals are employed by the registrant or a third party. If the registrant has not adopted such a code of ethics, explain why it has not done so.

The registrant has adopted, as of the end of the period covered by this report, a code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer and controller.

- (b) For purposes of this Item, the term "code of ethics" means written standards that are reasonably designed to deter wrongdoing and to promote:
  - (1) Honest and ethical conduct, including the ethical handling of actual or apparent conflicts of interest between personal and professional relationships;

- (2) Full, fair, accurate, timely, and understandable disclosure in reports and documents that a registrant files with, or submits to, the Commission and in other public communications made by the registrant;
- (3) Compliance with applicable governmental laws, rules, and regulations;
- (4) The prompt internal reporting of violations of the code to an appropriate person or persons identified in the code; and
- (5) Accountability for adherence to the code.
- (c) The registrant must briefly describe the nature of any amendment, during the period covered by the report, to a provision of its code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, regardless of whether these individuals are employed by the registrant or a third party, and that relates to any element of the code of ethics definition enumerated in paragraph (b) of this Item. The registrant must file a copy of any such amendment as an exhibit pursuant to Item 10(a), unless the registrant has elected to satisfy paragraph (f) of this Item by posting its code of ethics on its website pursuant to paragraph (f) (2) of this Item, or by undertaking to provide its code of ethics to any person without charge, upon request, pursuant to paragraph (f) (3) of this Item.

The registrant has made no amendments to the code of ethics during the period covered by this report.

(d) If the registrant has, during the period covered by the report, granted a waiver, including an implicit waiver, from a provision of the code of ethics to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, regardless of whether these individuals are employed by the registrant or a third party, that relates to one or more of the items set forth in paragraph (b) of this Item, the registrant must briefly describe the nature of the waiver, the name of the person to whom the waiver was granted, and the date of the waiver.

Not applicable.

(e) If the registrant intends to satisfy the disclosure requirement under paragraph (c) or (d) of this Item regarding an amendment to, or a waiver from, a provision of its code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions and that relates to any element of the code of ethics definition enumerated in paragraph (b) of this Item by posting such information on its Internet website, disclose the registrant's Internet address and such intention.

Not applicable.

- (f) The registrant must:
  - (1) File with the Commission, pursuant to Item 10(a), a copy of its code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, as an exhibit to its annual report on this Form N-CSR (see attachment);
  - (2) Post the text of such code of ethics on its Internet website and disclose, in its most recent report on this Form N-CSR, its Internet address and the fact that it has posted such code of ethics on its

Internet website; or

(3) Undertake in its most recent report on this Form N-CSR to provide to any person without charge, upon request, a copy of such code of ethics and explain the manner in which such request may be made. See Item 10(2)

#### ITEM 3. AUDIT COMMITTEE FINANCIAL EXPERT.

- (a) (1) Disclose that the registrant's board of trustees has determined that the registrant either:
  - (i) Has at least one audit committee financial expert serving on its audit committee; or
  - (ii) Does not have an audit committee financial expert serving on its audit committee.

The registrant's Board of Trustees has determined that the registrant has at least one audit committee financial expert.

- (2) If the registrant provides the disclosure required by paragraph (a)(1)(i) of this Item, it must disclose the name of the audit committee financial expert and whether that person is "independent." In order to be considered "independent" for purposes of this Item, a member of an audit committee may not, other than in his or her capacity as a member of the audit committee, the board of trustees, or any other board committee:
  - (i) Accept directly or indirectly any consulting, advisory, or other compensatory fee from the issuer; or
  - (ii) Be an "interested person" of the investment company as defined in Section 2(a)(19) of the Act (15 U.S.C. 80a-2(a)(19)).

Ms. Marguerite A. Piret, an independent trustee, is such an audit committee financial expert.

(3) If the registrant provides the disclosure required by paragraph (a)(1) (ii) of this Item, it must explain why it does not have an audit committee financial expert.

Not applicable.

#### ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

(a) Disclose, under the caption AUDIT FEES, the aggregate fees billed for each of the last two fiscal years for professional services rendered by the principal accountant for the audit of the registrant's annual financial statements or services that are normally provided by the accountant in connection with statutory and regulatory filings or engagements for those fiscal years.

#### N/A

(b) Disclose, under the caption AUDIT-RELATED FEES, the aggregate fees billed in each of the last two fiscal years for assurance and related services by the principal accountant that are reasonably related to the performance of the audit of the registrant's financial statements and are not reported under paragraph (a) of this Item. Registrants shall describe the nature of the services comprising the fees disclosed under this category.

N/A

(c) Disclose, under the caption TAX FEES, the aggregate fees billed in each of the last two fiscal years for professional services rendered by the principal accountant for tax compliance, tax advice, and tax planning. Registrants shall describe the nature of the services comprising the fees disclosed under this category.

N/A

(d) Disclose, under the caption ALL OTHER FEES, the aggregate fees billed in each of the last two fiscal years for products and services provided by the principal accountant, other than the services reported in paragraphs (a) through (c) of this Item. Registrants shall describe the nature of the services comprising the fees disclosed under this category.

N/A

(e) (1) Disclose the audit committee's pre-approval policies and procedures described in paragraph (c)(7) of Rule 2-01 of Regulation S-X.

PIONEER FUNDS

APPROVAL OF AUDIT, AUDIT-RELATED, TAX AND OTHER SERVICES PROVIDED BY THE INDEPENDENT AUDITOR

SECTION I - POLICY PURPOSE AND APPLICABILITY

The Pioneer Funds recognize the importance of maintaining the independence of their outside auditors. Maintaining independence is a shared responsibility involving Pioneer Investment Management, Inc ("PIM"), the audit committee and the independent auditors.

The Funds recognize that a Fund's independent auditors: 1) possess knowledge of the Funds, 2) are able to incorporate certain services into the scope of the audit, thereby avoiding redundant work, cost and disruption of Fund personnel and processes, and 3) have expertise that has value to the Funds. As a result, there are situations where it is desirable to use the Fund's independent auditors for services in addition to the annual audit and where the potential for conflicts of interests are minimal. Consequently, this policy, which is intended to comply with Rule 210.2-01(C)(7), sets forth guidelines and procedures to be followed by the Funds when retaining the independent audit firm to perform audit, audit-related tax and other services under those circumstances, while also maintaining independence.

Approval of a service in accordance with this policy for a Fund shall also constitute approval for any other Fund whose pre-approval is required pursuant to Rule 210.2-01(c)(7)(ii).

In addition to the procedures set forth in this policy, any non-audit services that may be provided consistently with Rule 210.2-01 may be approved by the Audit Committee itself and any pre-approval that may be waived in accordance with Rule 210.2-01(c)(7)(i)(C) is hereby waived.

Selection of a Fund's independent auditors and their compensation shall be determined by the Audit Committee and shall not be subject to this policy.

SECTION II - POLICY

SERVICE CATEGORY DESCRIPTION SPECIFIC PRE-APPROVED SERVICE SUBCATEGORIES

\_\_\_\_ \_\_\_\_\_\_

### I. AUDIT SERVICES

Services that are directly o Accounting research assistance related to performing the o SEC consultation, registration independent audit of the Funds statements, and reporting

- o Tax accrual related matters
  - o Implementation of new accounting standards
  - o Compliance letters (e.g. rating agency letters)
  - o Regulatory reviews and assistance regarding financial matters
  - o Semi-annual reviews (if requested)
  - o Comfort letters for closed end offerings

II. Services which are not o AICPA attest and agreed-upon procedures AUDIT-RELATED prohibited under Rule o Technology control assessments AUDIT-RELATED prohibited under Rule o Technology control assessments

SERVICES 210.2-01(C)(4) (the "Rule") o Financial reporting control assessments and are related extensions of o Enterprise security architecture the audit services support the assessment audit, or use the knowledge/expertise gained from the audit procedures as a foundation to complete the project. In most cases, if the Audit-Related Services are not performed by the Audit firm, the scope of the Audit Services would likely increase. The Services are typically well-defined and governed by accounting professional standards (AICPA,

\_\_\_\_\_\_

# AUDIT COMMITTEE APPROVAL POLICY

SEC, etc.)

AUDIT COMMITTEE REPORTING POLICY

"One-time" pre-approval
for the audit period for all
services and related fees
pre-approved specific service
subcategories. Approval of the
independent auditors as

number of all such
services and related fees
reported at each regularly
scheduled Audit Committee
meeting o "One-time" pre-approval auditors for a Fund shall

constitute pre approval for

o "One-time" pre-approval o A summary of all such for the fund fiscal year within a specified dollar limit for all pre-approved specified dollar limits) specific service subcategories reported quarterly.

these services.

- o Specific approval is needed to exceed the pre-approved dollar limit for these services (see general

Audit Committee approval policy below for details on obtaining specific approvals)

o Specific approval is needed to use the Fund's auditors for Audit-Related Services not denoted as "pre-approved", or to add a specific service subcategory as "pre-approved"

### SECTION III - POLICY DETAIL, CONTINUED

SERVICE CATEGORY	SERVICE CATEGORY  DESCRIPTION	SPECIFIC PRE-APPROVED SERVICE SUBCATEGORIES
III. TAX SERVICES	Services which are not prohibited by the Rule, if an officer of the Fund determines that using the Fund's auditor to provide these services creates significant synergy in the form of efficiency, minimized disruption, or the ability to maintain a desired level of confidentiality.	o Tax planning and support o Tax controversy assistance o Tax compliance, tax returns, excise tax returns and support o Tax opinions

\_\_\_\_\_\_

AUDIT COMMITTEE APPROVAL POLICY AUDIT COMMITTEE

REPORTING POLICY

\_\_\_\_\_\_

o "One-time" pre-approval o A summary of for the fund fiscal year all such services and within a specified dollar limit related fees

o A summary of all such services and related fees (including comparison to specified dollar limits) reported quarterly.

- o Specific approval is needed to exceed the pre-approved dollar limits for these services (see general Audit Committee approval policy below for details on obtaining specific approvals)
- o Specific approval is needed to use the Fund's auditors for tax services not denoted as pre-approved, or to add a specific

service subcategory as "pre-approved"

\_\_\_\_\_ \_\_\_\_

#### SECTION III - POLICY DETAIL, CONTINUED

SERVICE CATEGORY	SERVICE CATEGORY DESCRIPTION	SPECIFIC PRE-APPROVED	SERVICE SUBCATEGORIES
A. SYNERGISTIC, if UNIQUE QUALIFICATIONS de Fu th si th de co th po qu th in	ervices which are not cohibited by the Rule, an officer of the Fund stermines that using the end's auditor to provide sees services creates enificant synergy in the form of efficiency, enimized disruption, are ability to maintain a sired level of enfidentiality, or where the Fund's auditors eases unique or superior enifications to provide these services, resulting a superior value and esults for the Fund.	_	

\_\_\_\_\_\_

AUDIT COMMITTEE APPROVAL POLICY AUDIT COMMITTEE REPORTING POLICY

- "One-time" pre-approval o A summary of for the fund fiscal year within all such services and o "One-time" pre-approval a specified dollar limit
- o Specific approval is needed to exceed the pre-approved dollar limits for these services (see general Audit Committee approval policy below for details on obtaining specific approvals)
- o Specific approval is needed to use the Fund's auditors for "Synergistic" or "Unique Qualifications" Other Services not denoted as pre-approved to the left, or to add a specific service subcategory as "pre-approved"

related fees (including comparison to specified dollar limits) reported quarterly.

#### SECTION III - POLICY DETAIL, CONTINUED

	SE	CTION III - POLICY DETAIL,	CONTINUED
SERVICE CA	ATEGORY	SERVICE CATEGORY DESCRIPTION	SPECIFIC PROHIBITED SERVICE SUBCATEGORIES
PROHIBITED S	SERVICES	Services which result in the auditors losing independence status under the Rule.	<ol> <li>Bookkeeping or other services     related to the accounting records or     financial statements of the audit     client*</li> <li>Financial information systems design     and implementation*</li> <li>Appraisal or valuation services,     fairness* opinions, or     contribution-in-kind reports</li> <li>Actuarial services (i.e., setting     actuarial reserves versus actuarial     audit work)*</li> <li>Internal audit outsourcing services*</li> <li>Management functions or human     resources</li> <li>Broker or dealer, investment     advisor, or investment banking services</li> <li>Legal services and expert services     unrelated to the audit</li> <li>Any other service that the Public     Company Accounting Oversight Board     determines, by regulation, is     impermissible</li> </ol>
		PPROVAL POLICY	AUDIT COMMITTEE REPORTING POLICY

or inese services are not to be performed with the exception of the(\*) services that may be permitted fees reported at each if they would not be subject to audit procedures at the audit client (as defined in rule 2-01(f)(4)) level the firm providing the service.

Or A summary of all services and related fees reported at each regularly scheduled Audit Committee meeting will serve as continual confirmation that has o These services are not to be

restricted services.

\_\_\_\_\_\_

### GENERAL AUDIT COMMITTEE APPROVAL POLICY:

- o For all projects, the officers of the Funds and the Fund's auditors will each make an assessment to determine that any proposed projects will not impair independence.
- o Potential services will be classified into the four non-restricted service categories and the "Approval of Audit, Audit-Related, Tax and Other Services" Policy above will be applied. Any services outside the specific pre-approved service subcategories set forth above must be specifically

approved by the Audit Committee.

o At least quarterly, the Audit Committee shall review a report summarizing the services by service category, including fees, provided by the Audit firm as set forth in the above policy.

\_\_\_\_\_\_

(2) Disclose the percentage of services described in each of paragraphs (b) through (d) of this Item that were approved by the audit committee pursuant to paragraph (c) (7) (i) (C) of Rule 2-01 of Regulation S-X.

#### N/A

(f) If greater than 50 percent, disclose the percentage of hours expended on the principal accountant's engagement to audit the registrant's financial statements for the most recent fiscal year that were attributed to work performed by persons other than the principal accountant's full-time, permanent employees.

#### N/A

(g) Disclose the aggregate non-audit fees billed by the registrant's accountant for services rendered to the registrant, and rendered to the registrant's investment adviser (not including any sub-adviser whose role is primarily portfolio management and is subcontracted with or overseen by another investment adviser), and any entity controlling, controlled by, or under common control with the adviser that provides ongoing services to the registrant for each of the last two fiscal years of the registrant.

#### N/A

(h) Disclose whether the registrant's audit committee of the board of trustees has considered whether the provision of non-audit services that were rendered to the registrant's investment adviser (not including any subadviser whose role is primarily portfolio management and is subcontracted with or overseen by another investment adviser), and any entity controlling, controlled by, or under common control with the investment adviser that provides ongoing services to the registrant that were not pre-approved pursuant to paragraph (c)(7)(ii) of Rule 2-01 of Regulation S-X is compatible with maintaining the principal accountant's independence.

The Fund's audit committee of the Board of Trustees has considered whether the provision of non-audit services that were rendered to the Affiliates (as defined) that were not preapproved pursuant to paragraph (c)(7)(ii) of Rule 2-01 of Regulation S-X is compatible with maintaining the principal accountant's independence.

### Item 5. Audit Committee of Listed Registrants

(a) If the registrant is a listed issuer as defined in Rule 10A-3 under the Exchange Act (17 CFR 240.10A-3), state whether or not the registrant has a separately-designated standing audit committee established in accordance with Section 3(a)(58)(A) of the Exchange Act (15 U.S.C. 78c(a)(58)(A)). If the registrant has such a committee, however designated, identify each committee member. If the entire board of directors is acting as the registrants audit committee as specified in Section 3(a)(58)(B) of the Exchange Act (15 U.S.C. 78c(a)(58)(B)), so state.

The registrant has a separately-designated standing audit committe eestablished in accordance with Section 3(a) (58) (A) of the Exchange Act (15 U.s.c., 78c(a) (58) (A)).

(b) If applicable, provide the disclosure required by Rule 10A-3 (d) under the Exchange Act (17 CFR 240.10A-3 (d)) regarding an exemption from the listing standards for audit committees.

N/A

Item 6. Schedule of Investments.

File Schedule I Investments in securities of unaffiliated issuers as of the close of the reporting period as set forth in 210.12-12 of Regulation S-X [17 CFR 210.12-12], unless the schedule is included as part of the report to shareholders filed under Item 1 of this Form.

Included in Item 1

ITEM 7. DISCLOSURE OF PROXY VOTING POLICIES AND PROCEDURES FOR CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

A closed-end management investment company that is filing an annual report on this Form N-CSR must, unless it invests exclusively in non-voting securities, describe the policies and procedures that it uses to determine how to vote proxies relating to portfolio securities, including the procedures that the company uses when a vote presents a conflict between the interests of its shareholders, on the one hand, and those of the company's investment adviser; principal underwriter; or any affiliated person (as defined in Section 2(a)(3) of the Investment Company Act of 1940 (15 U.S.C. 80a-2(a)(3)) and the rules thereunder) of the company, its investment adviser, or its principal underwriter, on the other. Include any policies and procedures of the company's investment adviser, or any other third party, that the company uses, or that are used on the company's behalf, to determine how to vote proxies relating to portfolio securities.

Information not required in semi annual reports on form NCSR.

- Item 8. Portfolio Managers of Closed-End Management Investment Companies.
- (a) If the registrant is a closed-end management investment company that is filing an annual report on this Form N-CSR, provide the following information:
- (1) State the name, title, and length of service of the person or persons employed by or associated with the registrant or an investment adviser of the registrant who are primarily responsible for the day-to-day management of the registrants portfolio (Portfolio Manager). Also state each Portfolio Managers business experience during the past 5 years.

Information not required in semi annual reports on form NCSR.

- Item 9. Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers.
- (a) If the registrant is a closed-end management investment company, in the following tabular format, provide the information specified in paragraph (b) of this Item with respect to any purchase made by or on behalf of the registrant or any affiliated purchaser, as defined in Rule 10b-18(a)(3) under the Exchange Act (17 CFR 240.10b-18(a)(3)), of

shares or other units of any class of the registrants equity securities that is registered by the registrant pursuant to Section 12 of the Exchange Act (15 U.S.C. 781). Instruction to paragraph (a). Disclose all purchases covered by this Item, including purchases that do not satisfy the conditions of the safe harbor of Rule 10b-18 under the Exchange Act (17 CFR 240.10b-18), made in the period covered by the report. Provide disclosures covering repurchases made on a monthly basis. For example, if the reporting period began on January 16 and ended on July 15, the chart would show repurchases for the months from January 16 through February 15, February 16 through March 15, March 16 through April 15, April 16 through May 15, May 16 through June 15, and June 16 through July 15.

During the period covered by this report, there were no purchases made by or on behalf of the registrant or any affiliated purchaser as defined in Rule 10b-18(a)(3) under the Securities Exchange Act of 1934 (the Exchange Act), of shares of the registrants equity securities that are registered by the registrant pursuant to Section 12 of the Exchange Act.

Item 10. Submission of Matters to a Vote of Security Holders.

Describe any material changes to the procedures by which shareholders may recommend nominees to the registrants board of directors, where those changes were implemented after the registrant last provided disclosure in response to the requirements of Item 7(d)(2)(ii)(G) of Schedule 14A (17 CFR 240.14a-101), or this Item.

There have been no material changes to the procedures by which the shareholders may recommend nominees to the registrants board of directors since the registrant last provided disclosure in response to the requirements of Item 7(d)(2)(ii)(G) of Schedule 14(A) in its definitive proxy statement, or this Item.

### ITEM 11. CONTROLS AND PROCEDURES.

(a) Disclose the conclusions of the registrant's principal executive officer or officers and principal financial officer or officers, or persons performing similar functions, about the effectiveness of the registrant's disclosure controls and procedures (as defined in Rule 30a-2(c) under the Act (17 CFR 270.30a-2(c))) based on their evaluation of these controls and procedures as of a date within 90 days of the filing date of the report that includes the disclosure required by this paragraph.

The registrant's principal executive officer and principal financial officer have concluded that the registrant's disclosure controls and procedures are effective based on their evaluation of these controls and procedures as of a date within 90 days of the filing date of this report.

(b) Disclose whether or not there were significant changes in the registrant's internal controls or in other factors that could significantly affect these controls subsequent to the date of their evaluation, including any corrective actions with regard to significant deficiencies and material weaknesses.

There were no significant changes in the

registrant's internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

The registrant's principal executive officer and principal financial officer, however, voluntarily are reporting the following information:

In August of 2006 the registrant's investment adviser enhanced its internal procedures for reporting performance information required to be included in prospectuses. Those enhancements involved additional internal controls over the appropriateness of performance data generated for this purpose. Such enhancements were made following an internal review which identified prospectuses relating to certain classes of shares of a limited number of registrants where, inadvertently, performance information not reflecting the deduction of applicable sales charges was included. Those prospectuses were revised, and the revised prospectuses were distributed to shareholders.

ITEM 12. EXHIBITS.

File the exhibits listed below as part of this Form. Letter or number the exhibits in the sequence indicated.

- (a) Any code of ethics, or amendment thereto, that is the subject of the disclosure required by Item 2, to the extent that the registrant intends to satisfy the Item 2 requirements through filing of an exhibit.
- (b) A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2 under the Act (17 CFR 270.30a-2).

Filed herewith.

### SIGNATURES

[See General Instruction F]

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Pioneer Diversified High Income Trust

By (Signature and Title)\* /s/ John F. Cogan, Jr. John F. Cogan, Jr, President

Date December 28, 2012

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title)\* /s/ John F. Cogan, Jr. John F. Cogan, Jr., President

Date December 28, 2012

By (Signature and Title) \* /s/ Mark Bradley
Mark Bradley, Treasurer & Chief Accounting & Financial Officer

Date December 28, 2012

\* Print the name and title of each signing officer under his or her signature.