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PIONEER HIGH INCOME TRUST

Form NSAR-A

November 29, 2007

PAGE 1  
000 A000000 09/30/2007  
000 C000000 1166258  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
000 J000000 A  
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001 B000000 811-21043  
001 C000000 6177427825  
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008 B000001 A  
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010 A000002 PRINCETON ADMINISTRATORS, LLC  
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010 C020002 NJ  
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011 A000001 MERRILL LYNCH & CO.  
011 B000001 8-7221  
011 C010001 NEW YORK  
PAGE 2  
011 C020001 NY  
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011 A000002 UBS WARBURG  
011 B000002 8-022651  
011 C010002 STAMFORD

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011 C020002 CT  
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011 C010003 MINNEAPOLIS  
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011 A000004 ADVEST, INC.  
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011 A000005 JANNEY MONTGOMERY SCOTT, LLC  
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011 C010005 PHILADELPHIA  
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012 A000001 PIONEER INV. MANGMT. SHAREHOLDER SERV, INC.  
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012 A000002 AMERICAN STOCK TRANSFER & TRUST CO.  
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012 A000003 DEUTSCHE BANK TRUST COMPANY AMERICAS (PREF.)  
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088	C000000	N
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SIGNATURE	MARY KELLERMANN	
TITLE	ACCOUNTING MANAGER	