

RIO TINTO PLC  
Form 6-K  
October 06, 2006

---

---

**SECURITIES AND EXCHANGE COMMISSION**

WASHINGTON, DC 20549

---

**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13A-16 OR 15D-16 OF  
THE SECURITIES EXCHANGE ACT OF 1934**

**For the month of September 2006**

**Commission File Number: 001-10533**

**Commission File Number: 000-20122**

**Rio Tinto plc**

(Translation of registrant's name into English)

**6 St James's Square  
London, SW1Y 4LD, United Kingdom**  
(Address of principal executive offices)

**Rio Tinto Limited  
ABN 96 004 458 404**

(Translation of registrant's name into English)

**55 Collins Street  
Melbourne, Victoria 3000, Australia**  
(Address of principal executive offices)

---

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F

Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Indicate by check mark whether the registrant by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes

No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):  
82- \_\_\_\_\_

---

---

**EXHIBITS**

99.1 September Transactions in own shares  
2006

---

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrants have duly caused this report to be signed on their behalf by the undersigned, thereunto duly authorised.

**Rio Tinto plc**  
(Registrant)

By /s/ A V Lawless  
Name A V Lawless  
Title Secretary

Date 6 October 2006

**Rio Tinto Limited**  
(Registrant)

By /s/ A V Lawless  
Name A V Lawless  
Title Assistant Secretary

Date 6 October 2006

---