

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
