

AerCap Holdings N.V.
Form 6-K
May 16, 2007

FORM 6-K
SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

Report of Foreign Private Issuer

**Pursuant to Rule 13a-16 or 15d-16 under
the Securities Exchange Act of 1934**

For the **Quarterly Period Ended March 31, 2007**

Commission File Number **001-33159**

AERCAP HOLDINGS N.V.

(Translation of Registrant's Name into English)

Evert van de Beekstraat 312, 1118 CX Schiphol Airport, The Netherlands, +31-20-655-9655

(Address of Principal Executive Office)

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):

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

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 - N/A

Other Events

On May 15, 2007, AerCap Holdings N.V. released its quarterly results for the period ending March 31, 2007.

Exhibits

99.1 AerCap Holdings N.V. quarterly results for the period ended March 31, 2007.

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SIGNATURE

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

AERCAP HOLDINGS N.V.

By: /s/ COLE REESE
Name Cole Reese
Title: Authorized Signatory

AERCAP HOLDINGS N.V.

By: /s/ WOUTER M. (ERWIN) DEN DIKKEN
Name Wouter M. (Erwin) den Dikken
Title: Authorized Signatory

Date: May 15, 2007

EXHIBIT INDEX

99.1 AerCap Holdings N.V. quarterly results for the period ended March 31, 2007.
