
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 month of **April 2008**

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 is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Act of 1934.

Yes No

If "Yes" is marked, indicated below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82
— N/A

Other Events

On April 22, 2008, AerCap Holdings N.V. announced that it plans to release its first-quarter 2008 financial results on May 9, 2008.

Exhibits

99.1 AerCap Holdings N.V. Press Release

2

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/ Klaus Heinemann
Name: Klaus Heinemann
Title: Authorized Signatory

Date: April 23, 2008

EXHIBIT INDEX

99.1 AerCap Holdings N.V. Press Release.



PRESS RELEASE

FOR IMMEDIATE RELEASE

**AerCap Holdings N.V. to Release
First-Quarter 2008 Financial Results on May 9, 2008**

AMSTERDAM, The Netherlands, April 22, 2008 - AerCap Holdings N.V. ("AerCap," NYSE: AER) announced today that it will host a conference call and webcast for investors and analysts at 9:30 am Eastern Time / 3:30 pm Central European Time on Friday, May 9, 2008 to review its first-quarter financial results. The conference call will be hosted by Klaus Heinemann, Chief Executive Officer of AerCap, Keith Helming, Chief Financial Officer of AerCap, and Peter Wortel, Head of Investor Relations.

AerCap's first-quarter earnings press release will be released before financial markets open in the United States on May 9, 2008. A copy of the press release will be posted to the "Investor Relations" section of AerCap's website at <http://www.aercap.com>. At the same time, the presentation slides for the conference call will be posted to AerCap's website.

The call can be accessed live by dialing (U.S./Canada) 800-772-1085 or (International) +1-706-634-5464 and referencing code 44711149 at least 5 minutes before start time, or by visiting AerCap's website at <http://www.aercap.com> under 'Investor Relations'.

A replay of the call will be available beginning at 10:30 am Eastern Time / 4:30 pm Central European Time on May 9, 2008 and continuing through June 19, 2008. To access the recording, call 800-642-1687 (U.S./Canada) or +1-706-645-9291 (International) and enter passcode 44711149. The webcast replay will be archived in the "Investor Relations" section of the company's website for one year.

About AerCap Holdings N.V.

AerCap is an integrated global aviation company with a leading market position in aircraft and engine leasing, trading and parts sales. AerCap also provides aircraft management services and performs aircraft and engine maintenance, repair and overhaul services and aircraft disassemblies. AerCap is headquartered in The Netherlands and has offices in Ireland, the United States, China and the United Kingdom.

This press release may contain forward-looking statements that involve risks and uncertainties. In most cases, you can identify forward-looking statements by terminology such as "may", "should", "expects", "plans", "anticipates", "believes", "estimates", "predicts", "potential" or "continue" or the negative of such terms or similar terminology. Such forward-looking statements are not guarantees of future performance and involve significant assumptions, risks and uncertainties, and actual results may differ materially from those in the forward-looking statements.

Contact for Investors:

Peter Wortel
+31 20 655 9658
pwortel@aercap.com

Contact for Media:

Frauke Oberdieck
+31 20 655 9616
foberdieck@aercap.com
