AerCap Holdings N.V. Form 6-K December 10, 2009

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 6-K

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 September 30, 2009

Commission File Number 001-33159

AERCAP HOLDINGS N.V.

(Translation of Registrant s Name into English)

 $Station splein\ 965,\ 1117\ CE\ Schiphol\ Airport,\ The\ Netherlands,\ +31-20-655-9655$

(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 x

Form 40-F o

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): o

| Note: Regulation S-T Rule 101(b)(1) only pereport to security holders. | rmits the submission in paper of a Forn | m 6-K if submitted solely to provide an attached annual |
|--|--|---|
| Indicate by check mark if the registrant is sub | mitting the Form 6-K in paper as permi | itted by Regulation S-T Rule 101(b)(7)): o |
| Indicate by check mark whether the registrant the Commission pursuant to Rule 12g3-2(b) to | | ed in this form is also thereby furnishing the information to |
| Yes | o | No x |
| If Yes is marked, indicated below the file | number assigned to the registrant in con | nnection with Rule 12g3-2(b): N/A |

On December 10, 2009, AerCap Holdings N.V. filed its interim financial report for the quarter ended September 30, 2009.

This form 6-K is incorporated by reference into the Company s registration statement on Form F-3 (File no. 333-155194) and related prospectus, as such registration statement and prospectus may be amended from time to time, and is incorporated by reference into the Company s registration statement on Form S-8 (File no. 333-154416), as such registration statement may be amended from time to time.

Exhibits

99.1 AerCap Holdings N.V. interim financial report for the quarter ended September 30, 2009

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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/ Klaus Heinemann
Name: Klaus Heinemann
Title: Chief Executive Officer

Date: December 10, 2009

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EXHIBIT INDEX

99.1 AerCap Holdings N.V. interim financial report for the quarter ended September 30, 2009

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