

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, DC 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 month of August 2014

Commission File Number 001-33159

AERCAP HOLDINGS N.V.

(Translation of Registrant's Name into English)

Stationsplein 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

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):

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

Other Events

On August 28, 2014, AerCap Holdings N.V. issued a press release announcing that it has signed agreements with Virgin Atlantic Airways for the purchase and leaseback of seven Boeing 787 Dreamliners that Virgin Atlantic Airways has on order from Boeing. A copy of the press release is attached hereto as Exhibit 99.1.

This Form 6-K is incorporated by reference into the Company's Form F-3 Registration Statement File No. 333-177659 and Form S-8 Registration Statements File Nos. 333-180323, 333-154416, 333-165839, 333-194637 and 333-194638, and related Prospectuses, as such Registration Statements and Prospectuses may be amended from time to time.

Exhibits

99.1 AerCap Holdings N.V. Press Release.

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/ Aengus Kelly

Name: Aengus Kelly

Title: Authorized Signatory

Date: August 28, 2014

EXHIBIT INDEX

99.1 AerCap Holdings N.V. Press Release.



PRESS RELEASE

AerCap Agrees Purchase and Leaseback of Seven Boeing 787 Dreamliners with Virgin Atlantic

Amsterdam, The Netherlands; August 28, 2014 - AerCap Holdings N.V. ("AerCap," NYSE: AER) today announced that it has signed agreements with Virgin Atlantic Airways for the purchase and leaseback of seven Boeing 787 Dreamliners that Virgin Atlantic Airways has on order from Boeing.

The lease terms for all aircraft are twelve years and deliveries will start in October 2014.

"We are extremely proud to have Virgin Atlantic, one of the world's most innovative airlines, continue its long-standing partnership with AerCap by entering into this important transaction," said AerCap CEO Aengus Kelly.

AerCap has a total of ten Dreamliners in its portfolio and additional 74 committed purchases including those for Virgin Atlantic Airways.

About Virgin Atlantic Airways

Virgin Atlantic was founded by entrepreneur Sir Richard Branson 30 years ago. Today, Virgin Atlantic flies to 33 destinations worldwide, including locations across North America, the Caribbean, Africa and the Far East. In 2013 Virgin Atlantic launched its domestic airline, Little Red. Little Red flies across the UK, with 24 daily flights between Manchester, Edinburgh, Aberdeen and London.

In the winter of 2012, Virgin Atlantic announced a joint venture with Delta Air Lines, creating an expanded trans-Atlantic route network and enhancing competition between the UK and North America. The two airlines now codeshare across 108 routes, offering passengers seamless connections to 66 destinations.

About AerCap

AerCap is the global leader in aircraft leasing with 1,300 owned and managed aircraft in its current fleet and a highly attractive portfolio of 400 high-demand, fuel-efficient aircraft on order. AerCap serves over 200 customers in more than 90 countries with comprehensive fleet solutions and provides part-out and engine leasing services through its subsidiary, AeroTurbine. AerCap is listed on the New York Stock Exchange (AER).

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.

For Media:

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

For Investors:

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