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 April 2013

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 April 11, 2013, AerCap Holdings N.V. released a summary of its completed transactions during the first quarter of 2013. This information 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 and 333-165839, 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.

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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/ Aengus KellyName:Aengus KellyTitle:Authorized Signatory

Date: April 11, 2013

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EXHIBIT INDEX

99.1 AerCap Holdings N.V. Press Release.



PRESS RELEASE

AerCap Holdings N.V. Announces Transactions for the First Quarter 2013

Amsterdam, The Netherlands; April 11, 2013 - AerCap Holdings N.V. ("AerCap," "the Company," NYSE: AER) today announced the completion of 31 aircraft transactions during the first quarter 2013:

- · Signed new lease agreements for ten aircraft,
- · Delivered nine aircraft under contracted lease agreements,
- · Purchased nine new aircraft,
- · Closed the sale of three aircraft, and
- · Signed financing transactions for \$100 million.

Transaction Overview		First Quarter 2013		
	Owned	Managed	Total	
Lease Agreements				
Contracts	10	—	10	
Deliveries				
Closed	9	—	9	
Purchases				
Closed	9	—	9	
Contract Signed, to be Delivered	—	—		
Sales				
Closed	3		3	
Contract Signed, to be Delivered	—	—	_	

Lease Activities: Contracts Signed for Ten Aircraft — Nine Aircraft Delivered

New Lease Agreements

AerCap signed new lease agreements for ten aircraft in the first quarter 2013:

- · Five new Boeing 737-800s for American Airlines as part of the American Airlines sale and leaseback arrangement (U.S.A.),
- · Two Boeing 737-700s for Southwest Airlines (U.S.A.),
- · One Airbus A320 for Frontier Airlines (U.S.A.),
- One Airbus A320 for Smartlynx Airlines (Latvia), and
- · One Airbus A319 for TAME (Ecuador).

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The average term of lease agreements and letters of intent for new aircraft signed during the past 12 months was 150 months. The average term of lease agreements and letters of intent for used aircraft in that period was 68 months.

Deliveries

AerCap completed nine deliveries under contracted lease agreements in the first quarter:

- · Five new Boeing 737-800s to American Airlines as part of the American Airlines sale and leaseback arrangement (U.S.A.),
- · One new Boeing 737-800 to VRG (Brazil),
- One new Airbus A320 to Virgin America (U.S.A.),
- · One Boeing 737-700 to Southwest Airlines (U.S.A.), and
- One Boeing 737-800 to Sriwijaya Air (Indonesia).

Purchase Activities: Purchases Closed for Nine Aircraft

AerCap purchased seven new Boeing 737-800s including one aircraft contracted for sale to AerDragon, one new Airbus A330-300 and one new Airbus A320-200 during the first quarter.

Sales Activities: Three Aircraft Sold

During the first quarter, AerCap closed sales transactions for one new Airbus A330-300, one new Boeing 737-800 to AerDragon and one MD11 freighter from its owned portfolio. In addition to the completed sales transactions, AerCap signed letters of intent for the sale of two Boeing 737s from its managed portfolio.

Debt Facilities: \$100 Million Completed During the First Quarter

In the first quarter, AerCap closed financing transactions for approximately \$100 million.

Portfolio Summary

As of March 31, 2013, AerCap's portfolio consisted of 323 aircraft that were either owned, on order, under contract, letter of intent or purchase option, or managed. The average age of the owned fleet as of March 31, 2013 is 5.1 years and the average remaining contracted lease term is 6.9 years.

About AerCap

AerCap is one of the world's leading aircraft leasing companies and has one of the youngest fleets in the industry. AerCap is a New York Stock Exchange-listed company (AER) and has its headquarters in the Netherlands with offices in Ireland, the United States, China, Singapore and the United Arab Emirates.

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.

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