
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 February 2011

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):

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 February 14, 2011, AerCap Holdings N.V. ("AerCap," NYSE: AER) announced that its subsidiary AeroTurbine Inc., Miami, has signed a three year exclusive agreement with Webjet Linhas Aereas S.A. Under this agreement, AeroTurbine will provide engine management services to Webjet.

This Form 6-K is incorporated by reference into the Company's Form F-3 Registration Statement File No. 333-155194 and Form S-8 Registration Statements File Nos. 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

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: February 15, 2011

3

EXHIBIT INDEX

99.1 AerCap Holdings N.V. Press Release.

4



PRESS RELEASE

AeroTurbine Signs Three Year Exclusive Engine Management Agreement with Webjet Linhas Aereas

Amsterdam and Miami; Feb 14, 2011 — AerCap Holdings N.V. (“AerCap,” NYSE: AER) announced today that its subsidiary AeroTurbine Inc., Miami, has signed a three year exclusive agreement with Webjet Linhas Aereas S.A. Under this agreement, AeroTurbine will provide engine management services to Webjet.

AeroTurbine will manage all “off-wing” engine maintenance events for Webjet’s growing CFM56-3 engine fleet which currently consists of 45 CFM56-3 engines. Webjet will be the launch customer for AeroTurbine’s newly introduced **AeroTurbine Flexible Engine Care Solutions (AF ECS)**, which provides customers with a tailored engine fleet maintenance product based on the individual operational and financial goals of the client.

“We are excited that the marketplace has responded so quickly to our new AF ECS service offering,” said Michael King, AeroTurbine President and Chief Executive Officer. “AeroTurbine is proud to have developed a first-in-industry approach to managing older power plants. We are a market leader in the CFM56-3 engine segment for material supply, engine leasing, and engine exchanges. I am pleased that we were able to successfully combine these products into a viable service solution that minimizes engine downtime and maintenance expense. We look forward to working with Webjet on this program and being part of their continued success in the coming years.”

About AerCap and AeroTurbine

AerCap is an integrated global aviation company with a leading market position in aircraft and engine leasing, trading and parts sales. AeroTurbine is a subsidiary of AerCap focusing on engine leasing and trading, airframe and engine disassembly, aviation supply chain solutions, part sales and MRO services.

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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