

WESTPORT INNOVATIONS INC  
Form 6-K  
December 23, 2009

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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

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For the month of December, 2009

Commission File Number: 001-34152

WESTPORT INNOVATIONS INC.

(Translation of registrant's name into English)

Suite 101, 1750 West 75th Avenue, Vancouver, British Columbia, Canada, V6P 6G2  
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover 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):

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 by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes      No  

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

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SUBMITTED HERewith

Exhibits

99.1 News Release dated December 22, 2009 - Kenworth Expands  
Product Line with Cummins Westport Engine

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SIGNATURES

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.

Westport Innovations Inc.  
(Registrant)

Date: December 22, 2009

By: /s/ Elaine Wong  
Elaine Wong  
Title: Chief Financial Officer