

WESTPORT INNOVATIONS INC  
Form 6-K  
September 23, 2014

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 month of **September, 2014**

Commission File Number: 001-34152

**WESTPORT INNOVATIONS INC.**

(Translation of registrant's name into English)

**1750 West 75th Avenue, Suite 101, 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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**EXHIBIT INDEX**

Exhibit Description

99.1 News Release Dated September 23, 2014 - Westport Unveils Its Proprietary Enhanced Spark-Ignited Natural Gas System Targeting Medium-Duty Truck Applications

**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: September 23, 2014 By: /s/ Ashoka Achuthan  
Ashoka Achuthan

Chief Financial Officer