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OTTAWA, ONTARIO K1A 0W8**

File No.: T8080-190125/A

**AUGUST 27, 2019**

## **ADDENDUM #1**

Subject: **Request for Proposals T8080-190125/A  
Composite Cylinder Study**

**No consideration will be given for extras and/or changes because the tenderer was not familiar with the contents of this Addendum.**

The following questions have been received from potential Bidders about the subject Request for Proposals. The purpose of this Addendum to the Request for Proposals is to summarize the questions and answers for the information of all potential Bidders.

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### **Question #1**

Reference - Page 32 - Section 3.1.1. - "Tests listed must include the following tests on 2-3 types of cylinders."  
What does (2-3 types of cylinders) mean or refer to?

### **Answer #1**

A type of cylinder is one with a particular manufacturer, material, design, and volume, as stated in Section 3.1.3. For example, one type of cylinder might be cylinders produced by Manufacturer X, Model Y, 4500 psi, and 6.8 L.

### **Question #2**

Reference - Page 32 - Section 3.1.1. - "vi. MAE monitoring of cylinders during the course of all cycling" and "vii. Measurement of volumetric expansion at test pressure every 2500 cycles (equivalent to every 5 years of operation) during the course of all cycling, and identify cylinders that would require removal from service."  
What does (during the course of all cycling) refer to?

### **Answer #2**

"During the course of all cycling" refers to pressure cycles performed during the tests specified in section 3.1.1: ambient temperature cycle test (ISO 11119-2: 2012: Clause 8.5.5), flaw test (ISO 11119-2: 2012: Clause 8.5.7), drop test (CSA B339-18: Clause 9.13.8), and environmental cycle test (ISO 11119-2: 2012: Clause 8.5.6 or CSA B339-18: Clause 9.13.4). Cylinders are monitored by MAE during the pressure cycles required for the specified tests, and volumetric expansion is measured at least every 2500 cycles, and optionally monitored by AE during the pressure cycles required for the specified tests.



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**Question #3**

A potential bidder has asked if it can use resources provided by its Sub Contractor(s).

**Answer #3**

A Bidder may include as part of its team, resources provided by Sub Contractor(s) and to use their Experience and CV's to meet some or all of the mandatory and rated technical requirements.

**Bidders are to acknowledge this Addendum by signing in the space provided below and enclosing a copy of this document with their proposal.**

All other terms and conditions of the Request for Proposals remain unchanged.

***RECEIPT ACKNOWLEDGED***

**Name of Company** \_\_\_\_\_

**Signature** \_\_\_\_\_

Yours truly,

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