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Transport
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Directorate

Direction générale du
transport des marchandises
dangereuses

Canada Building, Édifice Canada
344 Slater Street, 344, rue Slater
Ottawa, Ontario
K1A 0N5

Your file Votre référence

Our file Notre référence

ASD 4067-26-2-96

MAR 18 1992

Mr. Steve Thomson
Quality Control Manager
Bruin Engineered Parts Inc.
Highway 12, P.O. Box 816
Midland, Ontario
L4R 4P4

Dear Mr. Thomson:

Re: Certificate of Registration M96

Having considered the application dated June 26, 1991 from Bruin Engineered Parts Inc ("Bruin") to manufacture certain cylinders for the transportation of dangerous goods, including the further information in this regard submitted by Bruin and Warnock Hersey Professional Services Ltd. ("Warnock Hersey"), the attached Certificate of Registration M96 and its Appendix A has been issued.

The Certificate and Appendix authorize the manufacture of cylinders based on specification TC-3ALM, with the exceptions and conditions noted therein. Please review these documents carefully and note the Certificate's expiration date of 31 December 1992. To extend your authorization past this date, a re-evaluation of your plant and process will need to be performed. Should you have any questions, do not hesitate to call.

Yours truly,

Zenon Lewycky
Senior Specialist,
Cylinders

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Certificate of Registration

Pursuant to its application on file with Transport Canada, to Special Permit No. 3263 and to Clause 25 of National Standard of Canada CAN/CSA B339-88 Cylinders, Spheres and Tubes for the Transportation of Dangerous Goods, Bruin Engineered Parts Inc., Highway 12, P.O. Box 816, Midland, Ontario L4R 4P4 ("Bruin") is granted this Certificate of Registration M96 for the manufacture of compressed gas cylinders subject to the following conditions:

- 1) The cylinders shall be manufactured in accordance with Appendix A to this Certificate;
- 2) The manufacturer's registered mark shall be "BRUIN"; and
- 3) Not later than twenty days after any changes occur in the information submitted in support of the application, Bruin shall advise the Director of any such changes.

This Certificate of Registration may be suspended or revoked by the Director in the event of failure to comply with the above-mentioned conditions or with any applicable regulation.

This Certificate of Registration shall expire on December 31, 1992, unless revoked earlier by the Director, Regulatory Affairs Branch, Transport Dangerous Goods Directorate.

Registration Date: MAR 18 1992

Signed: _____

Jean Blanchard

Director, Regulatory Affairs Branch
Transport Dangerous Goods Directorate



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APPENDIX A

Certificate of Registration M96 dated March 18, 1992

The following requirements are prescribed for cylinders manufactured in accordance with this Appendix:

Manufacturing

- 1) The cylinders shall be manufactured and inspected in accordance with the applicable regulations, with the manufacturing and inspection procedures described in the application from Bruin Engineered Parts Inc. ("Bruin") and with the requirements of National Standard of Canada CAN/CSA B339-88, Cylinders, Spheres and Tubes for the Transportation of Dangerous Goods, ("Standard CAN/CSA B339-88") applicable to TC-3ALM cylinders except as follows:
 - (a) It shall be permissible to perform proof pressure testing at a test pressure at least 5/3 times service pressure in lieu of hydrostatic testing with volumetric expansion determination on cylinders having a water capacity exceeding 1.00L but not exceeding 1.08L;
 - (b) The tensile test shall be performed by cutting two specimens from each of at least two cylinders taken from each solution heat treatment batch of 100 cylinders or less. At least one such cylinder shall be taken from a corner position and at least one shall be taken from a middle position of the batch. The test results for each specimen shall meet the requirements of the specification; and
 - (c) The Transport Canada mark, the specification designation and the service pressure marked on each cylinder shall be: "TC SP3263-M96A YYYY" where YYYY is the service pressure in pounds per square inch (guage).
- 2) The cylinders shall be in accordance with Bruin's drawing FO122;
- 3) The Inspector shall perform an external and an internal examination of each cylinder following fabrication;
- 4) Copies of the reports referred to in clause 4.17 of Standard CAN/CSA-B339-88 shall be submitted by the Inspector to the Director, Transport Dangerous Goods Directorate, and shall be retained by Bruin and by the Inspector for a period of not less than 180 months from the test date referred to in clause 4.16.2 of the said standard. The submissions to the Director shall in addition describe any failures of the tests or examinations prescribed for cylinder manufacture;

Regualification, Selection and Use

- 5) The cylinders shall be regualified, selected and used in accordance with the applicable regulations, and with the requirements of Standard CAN/CSA-B339-88 and National Standard of Canada CAN/CSA-B340-M88 Selection and Use of Cylinders, Spheres, Tubes and Other Containers for the Transportation of Dangerous Goods, Class 2 applicable to TC-3ALM cylinders.