



DEPARTMENT OF PUBLIC WORKS  
SAFETY ENGINEERING SERVICES

BOILER AND PRESSURE VESSEL BRANCH  
501 WEST 12TH AVENUE, VANCOUVER 9, B.C.

# AFFIDAVIT OF MANUFACTURER

## Covering Boiler or Pressure-vessel

B.C. File No. E-251

Upon shipment of boiler or pressure-vessel, this form, fully and correctly filled in and attested to, must be mailed to the office of the Chief Inspector in the Province of installation in accordance with the regulations under the Act governing the construction and installation of boilers and pressure-vessels, otherwise the use of same may be prohibited or the working-pressure severely penalized. Send one copy only.

- Manufactured by Victoria Machinery Depot Co/ Ltd., P.O. Box 670, Victoria, B.C.  
(Name and address of manufacturer.)  
Manufactured for Chemical Construction Corp.  
(Name and address of purchaser or consignee.)  
Ultimate owner Simplot Chemical Co. Ltd., Brandon, Manitoba.  
(Name and address.)  
Location of installation Simplot Chemical Co. Ltd., Manitoba.  
(This address is essential.)
- Type of boiler or pressure-vessel Ammonia Converter Mfg. Serial No. 393  
Canadian Registration No. A-515.4 Drwg. No. 5616  
To be used for (air, CO<sub>2</sub>, propane, ammonia, steam, hot water, etc.): Ammonia
- Dia. 64-1/8" I.D. Over-all length 50' 4-7/8" Cu. ft. capacity - Heating surface - sq. ft.
- Were test reports checked on all plates used in the fabrication of this vessel? Yes  
Does all material meet A.S.M.E. Code requirements? Yes  
A.S.M.E., A.S.T.M., or other material specification No. A-302-B Tensile strength 80,000
- If welded or brazed, state applicable paragraph of Code. Sec. VIII, 1965  
Was vessel stress-relieved? Yes Was vessel X-rayed? Yes  
Are the following records on manufacturer's files: X-ray films? Yes Stress-relieving procedure? Yes  
Were X-ray films examined and found to meet Code requirements? Yes
- Welders employed upon vessel:

Name of Welders and Province or State in Which Qualified	Identifying Symbol	Date of Last Weld Test	Qualified for Welding under Code Para. <u>Sec. IV</u>	Name of Inspector Supervising Tests	National Board No.
<u>F. Brandstetler</u>	<u>L</u>	<u>March</u>			
<u>G. Sandsmark</u>	<u>X</u>	<u>1965</u>		<u>D.G.</u>	<u>N.B. 5085</u>
<u>R. Hall</u>	<u>K</u>				
<u>F. Allen</u>	<u>E</u>				
<u>J. Gilmour</u>	<u>A</u>				

Does all welding on this vessel and the testing of coupons where required meet A.S.M.E. Code requirements? Yes

- Hydrostatic tests and working-pressures:

Name of Part	Hammer-tested at psi.	Final Test psi.	Maximum Working pressure psi.	Maximum Operating Temperature, Degrees F.
<u>Complete</u>				
<u>Vessel</u>	<u>X</u>	<u>6,933</u>	<u>4,625</u>	<u>-30° to 430°</u>

Did the hydrostatic tests fully conform to Code requirements? Yes

- Safety-valves:

Number of Valves	Maker's Name, Trade-mark, or Type No.	Provincial Registration No.	Inlet Diameter	Seat Diameter	Set to Relieve at psi.	Free Discharge Area	Capacity, Lb. per Hour

Does safety-valve stamping, blow-down adjustment, etc., meet A.S.M.E. requirements? Yes

9. Actual minimum stamping of the vessel shall conform to the following and shall be reproduced here:

FOR POWER AND HEATING BOILERS (on attached plate for cast iron)—

Canadian Interprovincial Registration number.....	C.R.N. ....
National Board number (if manufactured in U.S.A.).....	Nat. Bd. ....
Manufacturer and manufacturer's serial number.....	Sr. No. ....
Plate mfr's initials, spec. No. and tensile strength (Stelco. SA 285, etc.).....	T.S. ....
Maximum working-pressure..... (for S and W if both)	Max. W.P. .... Lb.
Heating surface and year built (1949, etc.).....	H.S. .... Ft.
Initials of authorized Provincial shop inspector.....	.....

UNFIRED PRESSURE-VESSEL—

Canadian Interprovincial Registration number.....	C.R.N. <u>A-515.4</u>
National Board number (if manufactured in U.S.A.).....	Nat. Bd. <u>2PH950BC</u>
Manufacturer and manufacturer's serial number <u>Victoria Machinery Depot Co. Ltd.</u>	Sr. No. <u>393</u>
Plate mfr's initials, spec. No. and tensile strength (Stelco. SA 285, etc.) <u>Tsurumi Iron Wks. FL302-B</u>	T.S. <u>80,000</u>
Maximum working-pressure and temperature.....	Max. W.P. <u>4,625</u> Temp. <u>-20° - 430° F.</u>
Thickness of shell and heads.....	T. Shell <u>7-1/2"</u> T. Heads <u>7.625 and 23 3/4"</u>
Code paragraph number and year built (1949, etc.) <u>Sec. VIII</u>	U. <u>-</u> <u>1966</u>

**Except S.F. of 3 1/2:1**

10. I HEREBY DECLARE that the foregoing statements, having reference to vessel bearing manufacturer's Serial No. 393 built by Victoria Machinery Depot Co. Ltd. of Victoria, B.C. and completed on the 19 day of May, 1966, are in all respects correct and true, and that the said vessel has been built in accordance with Provincial registered design No. A515.4 and that it complies fully with the A.S.M.E. Code and regulations of the Province of installation under the Act governing the construction of boilers and pressure-vessels.

Sworn before me at Victoria in the Province (or State) of British Columbia this 19 day of May, 1966

*R. J. Manning*  
A Commissioner for taking Affidavits within British Columbia.  
My commission expires.....  
My COMMISSION expires when revoked.

Signed E. H. Hancock  
Official Capacity Boiler Shop Foreman  
For Victoria Machinery Depot Co. Ltd.,  
P.O. Box 670, Victoria, B.C.  
(Firm name and address.)

11.

**CERTIFICATE OF SHOP INSPECTION**

I, the undersigned, a duly authorized Inspector of Boilers and Pressure-vessels employed by.....  
Department of Public Works of Government of British Columbia

do hereby certify that the foregoing statements are correct and that the material, construction, and workmanship are in accordance with the A.S.M.E. Code.

Date 16 May, 1966 Signed D. J. [Signature], No. 5085  
Provincial or National Board Inspector.

Serial No. 393  
Destination:  
Simplot Chemical Co. Ltd.  
Brandon Manitoba

PROVINCE OF



BRITISH COLUMBIA

DEPARTMENT OF PUBLIC WORKS  
THE BOILERS AND MACHINERY INSPECTION DIVISION

Certificate No. 2P4950 BC

Date of Issue May 26, 1966

CERTIFICATE OF CONSTRUCTION AND DESIGN

This is to certify that the boiler or pressure-vessel described herein has been constructed to the drawings and specifications approved under B.C. File E-251  
Reg. No. A-515.4, and may be operated at a pressure not exceeding 4625 p.s.i.

Type Ammonia Converter

Size 64 1/8" x 50' 4 7/8" (Fee length 38')

Horse-power \_\_\_\_\_

Inspection No. 2P4950 BC

Manufacturer Victoria Machinery Depot Co. Ltd., Victoria, B.C.

*B. Smith*

Chief Inspector.

VICTORIA MACHINERY DEPOT CO. LTD.

VICTORIA, B.C.

CANADA

(FOUNDED 1863)

XR	WHT	V.M.D. No.	393	ITEM No.	0ZH-701
DESIGN PRESSURE	4625	P.S.I.G. AT		-20 - 430	°F
HYDROSTATIC TEST	6938	P.S.I.G. AT		COLD	°F
SHELL THICKNESS	7.5000	A302-B		80.000	
HEAD THICKNESS	7.590" MIN	A105-11		70.000	
CODE	-3.5-S.F	INSPECTION NO.		2P4950 BC	
YEAR BUILT	1966	INSPECTORS NO.		NB.5085	
COVER-A105-11	23.750"	INSPECTOR'S INITIALS		D. G	
		C.R. NO.		A-515.4	

