

DEC 28 1995

FORM 8-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by O'Connor Tanks Ltd., 15 Bermondsey Rd., Toronto, Ontario, M4B 1Z4
(Name and address of manufacturer)
2. Manufactured for ADM-AGRI RESOURCES, 2550 Maplewood Drive, Windsor, Ontario, N9C 3Z1
(Name and address of purchaser)
3. Location of installation ADM-AGRI RESOURCES, 2550 Maplewood Drive, Windsor, Ontario, N9C 3Z1
(Name and address)
4. Type Horizontal Hydrogen Tk R-1204B(5.1031719) K 8467.5 D-16636 R.2 1995
(Name or serial No.) (Mfg's serial No.) (CRN) (Drawing No.) (Wt's. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1992
(Year)

- to A94 SA 516-70 7/8" None 10' - 0" 48' - 0"
(Addenda (Date)) (Code Case No.) (Spec. Series per UG-120(a))
6. Shell: SA 516-70 7/8" None 10' - 0" 48' - 0"
(Mat. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))
7. Seams: Dbt Butt Full 100 - Dbt Butt Spot 6
(Long. (Welded, Dbt., Sngl., Lap, Butt)) (R.T. (Spot or Full)) (EH. (N)) (H.T. Temp. (°F)) (Time (hr)) (Grth (Welded, Dbt., Sngl., Lap, Butt)) (R.T. (Spot, Partial, or Full)) (No. of Courses)
8. Heads: (a) Matl. SA 516-70 (b) Matl. SA 516-70
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Left	.860"	None			2:1				Concave
(b)	Right	.860"	None			2:1				Concave

If removable, bolts used (describe other fastenings)

9. MAWP 250 psi at max. temp. 200 °F
 Min. design metal temp. -20 °F at 250 psi. Hydro., pneu., or comp. test pressure 375 psi.
10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No	Diam or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
In/Outlet	1	2"	Pipe	SA 106 B	sch80	-	Welded	Left Hd
P.R.V.	1	4"	Pipe	SA 106 B	sch120	-	Welded	Shell
Connect.	1	1/2"	FCplg	SA 105	3000#	-	Welded	Left Hd
Drain	1	1"	HCplg	SA 105	3000#	-	Welded	Shell

11. Supports: Skirt No Lugs - Legs - Other Saddles Attached Shell Welded
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

Vessel exempted from impact testing as per UG 20 (f).

Additional Connection: Manway - 20" dia. - Plate - SA 516-70 - 1/2" - SA 516-70 - Welded - Left Head.

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1, "U" Certificate of Authorization No. 16367 expires Nov 29, 1995.
 Date Nov 28/95 Co. name O'Connor Tanks Ltd. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by O'Connor Tanks Ltd. at 15 Bermondsey Rd, Toronto, Ontario, M4B 1Z4, CANADA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Ontario and employed by MCCR - Technical Standards Division

have inspected the component described in this Manufacturer's Data Report on Dec. 1, 1995, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Dec. 1/95 Signed [Signature] Commissions 66 ONTARIO
(Authorized Inspector) (N.B. Board (and endorsement), State, Prov. and No.)



Technical
Standards and
Safety Authority

4th Floor - West Tower
3300 Bloor Street West
Etobicoke ON M8X 2X4

Boilers and Pressure
Vessels Act

DATE OF INSPECTION YY MM DD 99 04 22		ONT. IDENT NUMBER 5.1031719
CYCLE 36	OWNER'S NUMBER	

Annual or Periodic Inspection Report

MANUFACTURER NAME O'CONNOR TANKS LTD		MFG SERIAL NUMBER R-1204E		FACILITY TYPE P		DISTRICT NO. 65	
VESSEL DESCRIPTION PRESSURE VESSEL				SIZE 120 X 576 IN.			
1. FACILITY (Name and Address) ADM-AGRI RESOURCES Ind 2550 MAPLEWOOD DR WINDSOR 5550 Maplewood Dr				Telephone No.			
2. OWNER (Name and address) ADM-AGRI RESOURCES				HEATING SURFACE ORN. K8467.5			
2550 MAPLEWOOD DR				INTERNAL ☐ EXTERNAL ☐			
WINDSOR				CERTIFICATE CODE			
INSTALLATION AT HORIZONTAL HYDROGEN TANK				MOBILE ☐ STATIONARY ☒			
OWNER NAME AND ADDRESS CHANGE				RECEIVED MAY 07 1999 PRESSURE VESSELS CORPORATE SERVICES DIVISION			
USER NAME AND ADDRESS				MAY 7 - 1999			

LAST INSPECTION	SHELL PRESSURE	TUBE & JACKET PRESSURE	SHELL SAFETY VALVE	TUBE & JACKET SAFETY VALVE	SHELL FLUID	TUBE SIDE FLUID	SERVICE CONDITION
19951228	250		250				
THIS INSPECTION N/A Insured	250		250				

EQUIPMENT SPECIAL STATUS CHECK (x) ONE ONLY OF THE FOLLOWING.

A	FACILITY DEMOLISHED	E	EQUIPMENT SCRAPPED
B	PREMISES CLOSED	F	PREMISES CONDEMNED BY INSPECTOR
C	EQUIPMENT TEMPORARILY INOPERATIVE OR DISMANTLED	C	EQUIPMENT NOW INSURED
D	EQUIPMENT MOVED AND NEW LOCATION NOT KNOWN	D	EQUIPMENT EXEMPT

DIRECTIVES (SEE REVERSE SIDE - FOR DESCRIPTIONS)

LAST ISSUED	FOLLOW-UP DATE	ISSUED THIS INSPECTION

HRS. SPENT (REFER TO TARIFF TABLE)	PRESENTLY THE DATE DUE FOR INSPECTION IS	MONTH YEAR 12 98	IF INFORMATION REQUIRES A CHANGE ENTER HERE	MONTH YEAR
☒ DO NOT ISSUE CERTIFICATE ☐ ISSUE CERTIFICATE NOTE: THIS IS A TEMPORARY CERTIFICATE VALID FOR 90 DAYS ONLY FINAL CERTIFICATE WILL BE ISSUED UPON RECEIPT OF PAYMENT				

INSURED

REMARKS

LAST INTERNAL

Insured

SIGNED

Inspector appointed under Ontario's Boilers and Pressure Vessels Act (Insp No.)

PV 00059 (05/97)

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