

A209063

(A) 209063

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS  
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only) 2  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured by C.E. NATCO LIMITED, 9423 SHEPARD ROAD S.E., CALGARY, ALBERTA  
2. Manufactured for CANADIAN SUPERIOR OIL LTD., 355 - 4 AVENUE S.W., CALGARY, ALBERTA  
3. Location of Installation 12-1-11-16-W4  
4. Type HORIZONTAL (Horiz. or vert. tank) LM-1914 (Mfr's Serial No.) E-6750.2 (CRN) LA-9822-02 (Drawing No.) (Nat'l Bld No.) (Year Built) 1983  
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 1980 and Addenda to WINTER '82 and Code Case Nos. (Year) (Date)

Special Service per UG-120(d) \_\_\_\_\_  
Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

6. Shell: Matl. SA-516-70 (Spec. No., Grade) Nom. 7.9mm Thk. .3125 in. Corr. Allow. - in. Diam. 2438mm in. Lgth. 20 ft 0 in. (Year Built) 1983  
7. Seams: Long. DBL-V-BUTT (Welded, Dbl, Sngl, Lap, Butt) R.T. SPOT (Spot or Full) Efficiency 85 % H.T. Temp. \_\_\_\_\_ F Time \_\_\_\_\_ hr Girth DBL-V-BUTT (Welded, Dbl, Sngl, Lap, Butt) R.T. SPOT (Spot, Partial, or Full) No. of Courses 2  
8. Heads: (a) Material SA-285-C (Spec. No., Grade) (b) Material SA-516-70 (Spec. No., Grade)

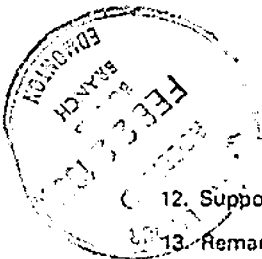
Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisp. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a) END (15.9mm/.625in)			90in.	5.875			F&D		CONCAVE
(b) BTM (9.5mm/.375in)			90in.	"			"		"

If removable, bolts used (describe other fastenings) \_\_\_\_\_

9. Constructed for max. allowable working pressure 517 KPA (Material, Spec. No., Gr., Size, No.) 7.5 psi at max. temp. 930 C / 2000 F. Min. temp. (when less than -20 F) \_\_\_\_\_ F. Hydrostatic, pneumatic, or combination test pressure 112 psi. / 775 KPA  
10. Safety Valve Outlets: Number 1 Size 2 in Location Top of Course #1  
11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
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SEE ATTACHED U-4 FORM



12. Supports: Skirt NO (Yes or no) Lugs NO (No.) Legs NO (No.) Other SADDLES (Describe) Attached BOTTOM WELDED (Where and how)

13. Remarks: 2438mm x 6096 mm @ 517 KPA WP  
HORIZONTAL FREE WATER KNOCK-OUT

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CERTIFICATE OF 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  
Date 10 FEB 83 Signed C.E. NATCO LIMITED (Manufacturer) by [Signature] (Representative)  
"U" Certificate of Authorization No. 11,313 expires September 9, 1983

CERTIFICATE OF SHOP INSPECTION

Vessel made by C.E. NATCO LIMITED at CALGARY, ALBERTA  
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 ALBERTA and employed by GOVERNMENT have inspected the pressure vessel described in this Manufacturers' Data Report on FEB 10 1983, 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 the Manufacturers' 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.  
Signed [Signature] (Inspector) Date FEB 10, 83 Commissions \_\_\_\_\_ (Nat'l Board, State, Province and No.)

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FORM U-4 MANUFACTURERS' DATA REPORT SUPPLEMENTARY SHEET  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured by C.E. NATCO LIMITED, 9423 Shepard Road S.E., Calgary, Alberta  
(Name and address of manufacturer)

2. Manufactured for Canadian Superior Oil Ltd., 355-4 Avenue S.W., Calgary, Alberta  
(Name and address of purchaser)

3. Location of Installation 12-1-11-16-W4  
(Name and address)

4. Type HORIZONTAL FREE WATER KNOCK-OUT Vessel Number \_\_\_\_\_ Migr. serial \_\_\_\_\_ CRN \_\_\_\_\_ Dwg LA-9822-02 Nat'l. Brd. No. \_\_\_\_\_  
Horiz. Vert Tank, etc.

Year Built 1983

Data Report		Remarks				
Item Number						
M1	MANWAY	16"	75	PRESS. ST.	406	SA-285-C
N1	INLET	6"	150	RFWN	X-STG	SA-106-B
N2	OIL OUTLET	4"	150	RFWN	X-STG	SA-106-P
N3	WATER OUT	6"	150	RFWN	X-STG	SA-106-B
			150	RFWN	X-STG	SA-106-B
N4	GAS OUT	3"	150	RFWN	X-STG	SA-106-B
N5,6	DRAINS	3"	150	RFWN	X-STG	SA-106-B
N7	L.L. S.D.	4"	150	RFWN	X-STG	SA-106-B
N8	^JL OUT CONT.	4"	150	RFWN	X-STG	SA-106-B
N9	INT'PH. CONT	4"	150	RFWN	X-STG	SA-106-B
A1-2	ANODES	4"	150	RFWN	X-STG	SA-106-B
C1	NOR. TEMP. CONT.	1"	600	CPLG	X-STG	SA-105
C2	HI. TEMP. CONT.	1"	6000	CPLG	X-STG	SA-105
C3	THERMOM.	3/4"	6000	CPLG	X-STG	SA-105
C4	PRESS. IND.	1/2"	6000	CPLG	X-STG	SA-105
C5-8	SAMPLES	1/2"	6000	CPLG	X-STG	SA-105
C9-12	GA. GLASS	1/2"	6000	CPLG	X-STG	SA-105
C13A&B	BURN PRE'HT.	1"	6000	CPLG	X-STG	SA-105
C14A&B	PILOT PRE'HT.	1/2"	6000	CPLG	X-STG	SA-105
C15	RELIEF CONN.	2"	3000	CPLG	X-STG	SA-105
C16	WATER CONN.	3"	3000	TOL	X-STG	SA-105

Date 10 FEB '83 C.E. NATCO LIMITED Signed RK Leary  
Manufacturer

Date FEB 10, 83 Authorized Inspector's Signature [Signature] Commissions \_\_\_\_\_  
Natl. Board, State, Province and No.