

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

A463241

1. Manufactured and certified by: NATCO CANADA LTD. 9423 SHEPARD RD SE CALGARY, AB T2H 1X6  
(Name and Address of Manufacturer)
2. Manufactured For: DYNAMIC OIL LTD., C/O STATUS ENGINEERING, #200, 1207 - 11<sup>TH</sup> AVE S.W. CALGARY, AB T3C 0M5  
(Name and Address of Purchaser)
3. Location of Installation: DYNAMIC OIL & GAS LTD. L.S.D.: 16-14-56-25 W4M  
(Name and Address)
4. Type: VERTICAL 7353-32 A H-0415.21 SA-1007-00 Rev1 ---- 2000  
(Horiz. or Vert. Tank) (Mfg'r Serial No.) (CRN) (Drawing No.) (Nat'l 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. 1998  
(Year)
- to 98 N/A N/A  
(Addenda (Date)) (Code Case Nos.) (Special Service per UG-120(d))
6. Shell: SA 106B 0.843" None 1' 2 1/4" 28' 0" S/S  
(Mat'l (Spec. No. Grade)) (Nom. Thk. (in)) (Corr. Allow. (in)) (Diam. ID (ft. & in)) (Length (overall) (ft. & in))
7. Seams: SMLS N/A 100% N/A N/A TYPE 1 SPOT 3  
(Long (Welded, Dbl. Singl. Lap Butt)) (R.T. (Spot or Full)) (Eff. (%)) (H.T. Temp. F) (Time (hr)) (Girth (Welded, Dbl. Singl. Lap Butt)) (R.T. (Spot Partial, Full)) (# Courses)
8. Heads: (a) Mat'l. SA 516-70 (b) Mat'l. SA 516-70  
(Spec. No. Grade) (Spec. No. Grade)

	Location (Top Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Coron Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispheric Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	TOP	0.900	None			2:1				CONCAVE
(b)	BTM	0.900	None			2:1				CONCAVE

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

9. MAWP 1430 psi at max. Temp., 129 °F  
Min. design metal temperature -20 °F at 1430 psi. Hydro., pneu., or comb. test pressure 2145 psi.

10 Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Material	Nom. Thick.	Reinforcement Mat'l.	How Attached	Location
SEE ATTACHED U-4 FORM								

11 Supports: Skirt YES Lugs Nil Legs Nil Other N/A Attached BTM HD 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: \_\_\_\_\_  
(Name of part, item number, Mfg's name and identifying stamp)

VERTICAL 3-PHASE CONTACTOR VOLUME: 40 Cu/Ft  
IMPACTS EXEMPT PER UG-20(f) 1-5 NON-CORROSIVE SERVICE  
FAB DRG #: D-7353-32 Rev6 PSV per UG-125

**CERTIFICATE OF SHOP INSPECTION**

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 11313 expires Sept 9, 2007

Date: 30 OCT 2000 Co. Name NATCO CANADA LTD. Signed: [Signature]  
(Manufacturer) (Representative)

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**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by NATCO CANADA LTD AT CALGARY, ALBERTA, I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ALBERTA, and employed by ALBERTA BOILER'S SAFETY ASSOCIATION, have inspected the component described in this Manufacturer's Data Report of OCT 20 2000, 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 these 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: OCT 30 2000 Signed: [Signature] Commissions: ALBERTA #11  
(Authorized Inspector) (Not Board (incl. endorsements), Prov. and No.)

1. Manufactured and Certified by Natco Canada Ltd. 9423 Shepard Rd. S.E. Calgary, AB T2C 1E2
2. Manufactured for Dynamic Oil Ltd., c/o Status Engineering, #200, 1207 - 11<sup>th</sup> Avenue S.W. Calgary, AB T3C 0M5
3. Location of Installation DYNAMIC OIL & GAS LTD. LSD. 16 14 56 25 W4M
4. Type VERTICAL CONTACTOR 7353-32 A  
(Motor, Vessel or Submersible) (Tank, Separator, Heat Exch., etc.) (Mfgs. serial No.)  
H-0415.21 SA 1007-00 Rev 1 2000  
(CRN) (Draw. #) (Natl. Bd. No.) (Year Built)

Purpose	No.	Size	Nozzles		Mat'l		Thickness	Ref. Mat.	How	Where
			Type	Rate	Neck	Flg.				
GAS INLET	N1	2"	RFWN	600#	SA 106B	SA 105	0.218	INTEGRAL	UW-16.1(e)	SHELL
GAS OUTLET	N2	2"	RFWN	600#	SA 106B	SA 105	0.218	INTEGRAL	UW-16.1(e)	TOP HD
SYPHON DRAIN	C1	1"	CPLG	6000#	SA 105	--	--	INTEGRAL	UW-16.1(e)	SHELL
OIL OUT	C2	1"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
GLYCOL INLET	C3	1"	CPLG	6000#	SA 105	--	--	INTEGRAL	UW-16.1(e)	SHELL
GLYCOL OUTLET	C4	1"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
PI	C5	1/2"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
LEVEL GAUGE	C6	3/4"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
LEVEL GAUGE	C7	3/4"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
HIG COIL IN	C8	1"	CPLG	6000#	SA 105	--	--	INTEGRAL	UW-16.1(e)	SHELL
HIG COIL OUT	C9	1"	CPLG	6000#	SA 105	--	--	INTEGRAL	UW-16.1(e)	SHELL
FV & INSP	C10	1 1/2"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	TOP HD
TI	C11	3/4"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
WATER OUT	C12	1"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
LEVEL GAUGE	C13	3/4"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
LEVEL GAUGE	C14	3/4"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
TRAY DRAINS	C15	1/2"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
EQUALIZER	C16	1"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
AUX. GLYCOL IN	C17	1"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
LLC COND	C18	2"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
LLC WATER	C19	2"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL
INSP OPENING	C20	1 1/2"	TOL	3000#	SA 105	--	--	INTEGRAL	UW-16.1(a)	SHELL

Certificate of Authorization: Type "U" No. 11,313 Expires SEPT 9 2001  
 Date 30 OCT 2000 Name Natco Canada Ltd. Signed [Signature]  
(Manufacturer) (Representative)  
 Date OCT 30 2000 Name [Signature] Commission ALBERTA  
(Authorized Inspector) (Natl. Board (incl. endorsements), State, Province and No.)