FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
as required by the provisions of the ASME Code rules, Section VIII, Division 1

A 22K342
D.J. 14/86

1. Manufactured and certified by CE Natco Limited 9423 Shepard Road S.E. Calgary, Alberta
(name and address of manufacturer)

2. Manufactured for Nusco Pipe and Supply Ltd. 1710 140 4th Avenue S.W. Calgary, Alberta
(name and address of purchaser)

3. Location of installation stock - Nisku yard
(name and address)

4. Type: Horizontal (horiz. or vert., tank) | L-6-336 (mfr's. serial no.) | F-640.23 (CRN) | AA-0075-03 (drawing no.) | — (Nat'l. Bd. no.) | 1986 (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 Code, Section VIII, Division 1: 1983 (year)
S'85 (addenda (date)) | (Code Case no.) | (special service per UG-120(d))

6. Shell: SA-516-70 (mat'l. (spec. no., grade)) | .3125 (nom. thickness (in.)) | 7.9mm 1.58mm/.0625 (corr. allow. (in.)) | 1829mm/6'-0" (dia. ID (ft. & in.)) | 6100mm/20'-0" (length (overall) (ft. & in.))

7. Seams: DBL-V-BUTT (long. (welded, dbl., sngl. lap, butt)) | spot (RT (spot or full)) | 85 (eff. (%)) | (HT temp. (°F)) | (time (hr.)) | SNG-V-BUTT (girth (welded, dbl., sngl., lap, butt)) | spot partial (RT (spot, partial, or full)) | 2 (no. of courses)

8. Heads: (a) SA-516-70 (mat'l. (spec. no., grade)) (b) SA-516-70 (mat'l. (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)	end	7.9mm				F&D				concave
(b)	end	.3125"				F&D				concave

If removable, bolts used (describe other fastenings): (mat'l., spec. no., gr., size, no.)

9. MAWP: 345 kpa (psi) at max. temp. 93°C (°F). Min. temp. 50 (when less than −20°F). Hydro., pneu. or comb. test pressure 517 kpa (psi)
200

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No.	Dia. or Size	Type	Mat'l.	Nom. Thickness	Reinforcement Mat'l.	How Attached	Location
manway	M1	24"	FAB	SA-106-B	.375"		welded	shell
relief	C14	3"	CPLG	SA-105		3000#	welded	shell

11. Supports: Skirt no (yes or no) Lugs (no.) Legs (no.) Other saddles (describe) Attached btm welded (where & how)

12. Remarks: Manufacturers' 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, mfr's. name and identifying stamp)

1829mm x 6100mm @ 345 kpa D.P.
Horizontal HFH-P Treater Vol. 17m3

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. 1313 expires 9/9, 19 86

Date 14 FEB 86 Name CE Natco Limited (manufacturer) Signed (representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CE Natco Limited at Calgary.

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 Government of Alberta have inspected the component described in this Manufacturers' Data Report on D.J. 14, 19 86. and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the 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.

Date D.J. 14, 19 86 Signed (Authorized Inspector) Commissions (Nat'l. Bd. (incl. endorsements) state, prov. and no.)