

1424

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

A 28344 SB

1. Manufactured and certified by Nusco Manufacturing & Supply Ltd. 1604-8th Street Nisku, Alberta T0C 2G0 (Name and address of manufacturer)

2. Manufactured for Nusco Manufacturing (Name and address of purchaser)

3. Location of installation Stock Vessel (Name and address)

4. Type Vert Separator 11447-V01 H8724.2 STD-003 Rev 1 - - 1993 (Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing No.) (Net 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 --- N/A N/A Addenda (Date) Code Case No. Special Service per UG-120(d)

6. Shell: SA-516-70N 1.00" 0 24" O.D. 5'-0" (Matl. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: SNGL Weld Butt RT-2 (Full) 100 N/R N/A Weld Sngl Butt RT-2(Full) 1 (Long. (Welded, Dbl. Sngl., Lap, Butt)) (R.T. (Spot or Full)) (Eff. (%)) (H.T. Temp. (°F)) (Time (hr)) (Grth (Welded, Dbl. Sngl., Lap, Butt)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

8. Heads: (a) Matl. SA-516-70N (Spec. No., Grade) (b) Matl. SA-516-70N (Spec. No., Grade)

Table with 10 columns: 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). Rows (a) Top, (b) Bottom.

If removable, bolts used (describe other fastenings) N/A (Matl., Spec. No., Gr., Size, No.)

9. MAWP 1440 psi at max. temp. 100 °F Min. design metal temp. -20 °F at 1440 psi. Hydro., pneu., or comb. test pressure 2160 psi.

Table with 10 columns: Purpose (Inlet, Outlet, Drain), No, Diam or Size, Type, Matl, Nom Thk, Reinforcement Matl, How Attached, Location. Row 1: See, Row 2: U4 Form.

11. Supports: Skirt yes Lugs N/A Legs N/A Other N/A Attached Weld to Bottom Head (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: N/A (Name of part, item number, Mfg's name and identifying stamp)

Vessel is Impact Test Exempt Per UG 20(f) & UCS-66
Capacity- 15.7 cu.ft. Hydrotested- Horizontally
Customers Responsibility To Install Pressure Relief Valve

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. 24776 expires April 24, 1993. Date APR 14 1993 Co. name Nusco Man & Supply Ltd. (Manufacturer) Signed [Signature] (Representative)

CERTIFICATE OF SHOP INSPECTION Vessel constructed by _____ at _____. 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 Alberta Labour Boiler & Pressure Vessel Safety have inspected the component described in this Manufacturer's Data Report on APR 14 1993, 19____, 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 APR 14 1993 Signed [Signature] (Commissioned Inspector) Commissions Alberta (National Board (incl. endorsements), State, Prov. and No.)

(A)2834458

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

1. Manufactured and certified by Nusco Manufacturing & Supply Ltd., 1604-8th Street, Nisku, Alta. TOC 2G0
(Name and address of Manufacturer)

2. Manufactured for Nusco
(Name and address of Purchaser)

3. Location of installation Stock Vessel
(Name and address)

4. Type: Vertical Separator 11447-V01
(HORIZ. VERT., OR SPHERE) (Tank, separator, heat exch., etc.) (Mfg's serial No.)

H-8724.2 STD-003 Rev 1 - 1993
(CRN) (Drawing No.) (Nat'l Bd No.) (Year built)

Data Report Item Number	Remarks						
10	NOZZLES, INSPECTION AND SAFETY VALVE OPENINGS:						
PURPOSE	NO.	DIA.	TYPE	MAT'L	NOM. THK.	REIN. MAT'L	ATTACH/LOCATION
C1 Inlet	1	2"	CPLG	SA-105	3000#	N/R	Weld to Shell
C2 Outlet	1	2"	CPLG	SA-105	3000#	N/R	Weld to Top Head
C3 Outlet	1	2"	CPLG	SA-105	3000#	N/R	Weld to Shell
C4 Drain	1	2"	PIPE (NPT)	SA-333-6	XH	N/R	Weld to Bot. Head
C5 PSV	1	2"	CPLG	SA-105	3000#	N/R	Weld Top Head
C6 Temp. Ind.	1	3/4"	CPLG	SA-105	6000#	N/R	Weld to Shell
C7 Press. Ind.	1	1/2"	CPLG	SA-105	6000#	N/R	Weld to Shell
C8 A/B L.G.	2	3/4"	CPLG	SA-105	6000#	N/R	Weld to Shell
C9 HLSD/INSP.	1	2"	CPLG	SA-105	3000#	N/R	Weld to Shell
C10 LC/INSP	1	2"	CPLG	SA-105	3000#	N/R	Weld to Shell

Certificate of Authorization: Type U No. 24776 Expires April 24 . 19 93

Date APR 14 1993 Name Nusco Manufacturing & Supply Ltd. Signed [Signature]
(Manufacturer) (Representative)

Date APR 14 1993 Name [Signature] Commission Alberta
(Authorized Inspector) (Nat'l Board incl. endorsement, State, Province and No.)