

#88621

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FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

as required by the provisions of the ASME Code rules, Section VIII, Division 1

1. Manufactured and certified by KUROSE CHEMICAL EQUIPMENT CO., LTD. 2-5-2-chome, Takasago, Takatsuki-city, OSAKA, 592, JAPAN
(name and address of manufacturer)2. Manufactured for NISSIN FOOD PRODUCT CO., LTD. 140-1, IZEMI, RITTO-cho, SIGA, JAPAN
(name and address of purchaser)3. Location of installation NISSIN FOOD (USA) CO., INC. Lancaster, Pennsylvania, America
(name and address)4. Type: Vert. Oil Heater 06820-SH NA K-28594-1 46 1984
(type or vert. tank) (mat'l. spec. 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 Code, Section VIII, Division 1: 1983
(year)1983 Summer
(addenda date)NA
(Code Case no.)NA
(special service per UG-120(d))

Items 6-11 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: SA240 TYPE304 0.315 0 3' 2.583" 4' 11.055"
(mat'l. spec. no., grade) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))7. Seams: Engl. NONE 70 NA NA Lap NONE 1
(long. (dbl., engl.)) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time) (girth (dbl., engl.)) (RT (spot, partial, or full)) (no. of courses)8. Heads: (a) SA516 Gr.60 (b) SA516 Gr.60
(mat'l. spec. no., grade) (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 (Cold)	2.3059"	0	NA	NA	NA	NA	NA	45.6693"	NA
(b)	End (Hot)	3.2011"	0	NA	NA	NA	NA	NA	"	NA

If removable, bolts used (describe other fastenings): SA193 Gr. B7 3/4"-10UNC 72 Pcs.
(mat'l. spec. no., gr. size, no.)9. Type of jacket: NA Proof test: See Remarks10. Jacket closure: See Form (describe as ogee & weld, bar, etc.) If bar, give dimensions: NA If bolted, describe or sketch:11. MAWP: U-4 at max. temp. NA Min. temp.: NA (when less than -20°F) Hydro., pneu. or comb. test press.: NA (psi)

Items 12 and 13 to be completed for tube sections.

12. Tubesheets: NA NA NA NA NA
(stationary mat'l. spec. no., gr.) (dia. (in.) (subject to pressure)) (nom. thickness (in.)) (corr. allow. (in.)) (attachment (welded, bolted))13. Tubes: NA NA NA NA NA
(flowing mat'l. spec. no., gr.) (dia. (in.)) (nom. thickness (in.)) (corr. allow. (in.)) (attachment)14. Tubes: NA NA NA NA NA
(mat'l. spec. no., gr.) (OD (in.)) (nom. thickness (in. or gauge)) (type (straight or U))

Items 14-17 inclusive to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell: NA NA NA NA NA
(mat'l. spec. no., gr.) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))15. Seams: NA NA NA NA NA NA NA NA
(long. (dbl., engl.)) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time) (girth (dbl., engl.)) (RT (spot, partial, or full)) (no. of courses)16. Heads: (a) NA (b) NA
(mat'l. spec. no., grade) (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)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
(b)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

If removable, bolts used (describe other fastenings): NA
(mat'l. spec. no., gr. size, no.)17. MAWP: NA at max. temp. NA Min. temp.: NA (when less than -20°F) Hydro., pneu. or comb. test press.: NA (psi)

Items on reverse side to be completed for all vessels where applicable.

This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Col's., OH 43229

NB-26
Rev. 6

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

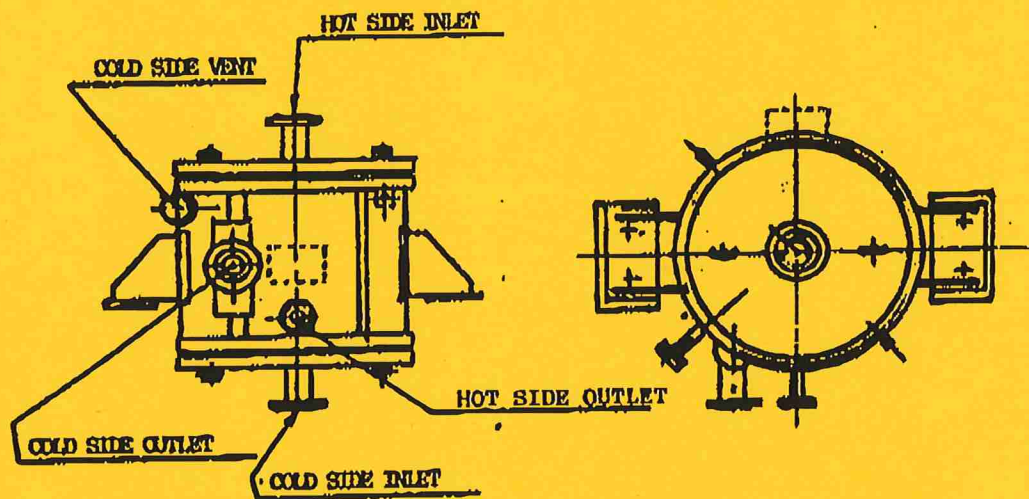
(3/3)

1. Manufacturer (Name and address) KUROSE CHEMICAL EQUIPMENT CO., LTD. 2-5, 2-chome, TAKASAGO, TAKATSU, OSAKA 502 JAPAN

2. Manufacturer (Name and address) NISSIN FOOD PRODUCT CO., LTD. 140-1, IZUKI, HITTOCHO, SICA, JAPAN

3. Location of inspection NISSIN FOOD (USA) CO., INC. Lancaster, Pennsylvania, America

4. Type Vert. Oil Heater 06820-SH NA K-28594-1 46 1984



Data Report
Item NO.

Remarks

11	Max. AMP	at max. temp.	Hydro. test press
HOT SIDE	128.02psi	356 F	192.00psi
COLD SIDE	71.12psi	356 F	106.68psi

Date June 8, 1984

Co. design

KUROSE CHEMICAL
EQUIPMENT CO., LTD.

Signed

Date June 8, 1984

Signed

Examination

PA 46-3337

From: mitlo@comcast.net

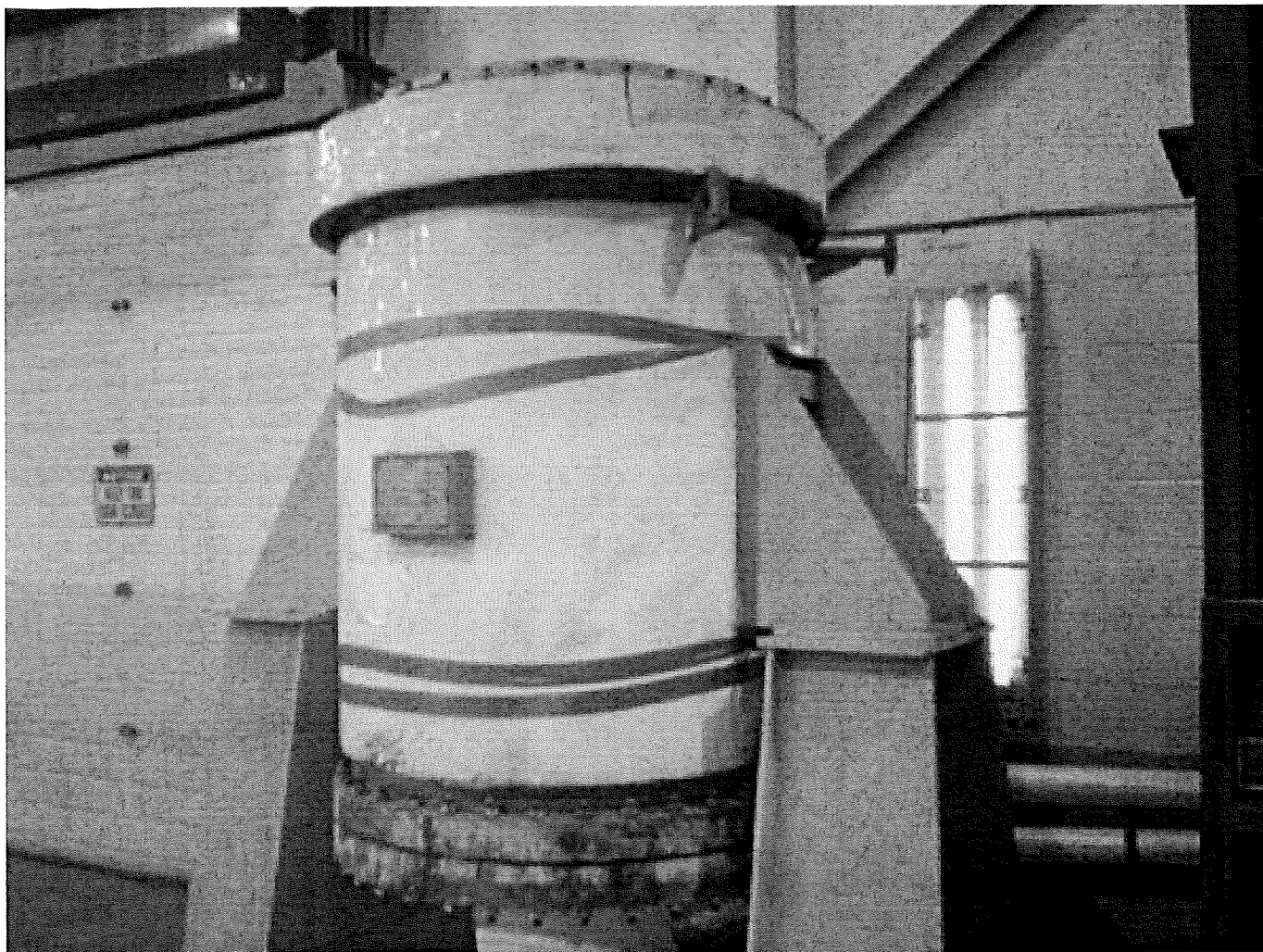
To: snelson@lcec.com

Date: Tue, 17 Jan 2006 15:18:50 +0000

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Heat_exchanger_Old_Ln3_No 2.jpg



Heat_exchanger_Old_Ln3_No 3.jpg