

FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

As Required by the Provisions of the ASME Code Rules

#100952

1. Manufactured by **HOOPER CORPORATION, ST. LOUIS 4, MO.**
(Name and address of Manufacturer)
2. Manufactured for **ELI LILLY & CO., INDIANAPOLIS, INDIANA**
(Name and address of Purchaser)
3. Type **VERT.** Kind **TANK** Vessel No. **(K-6172Q)** (Name & Serial) (State & State N) Nat'l Bd. No. **1378** Yr. Built **1954**
(Horizontal or Vertical) (Tank, Jacketed, Heat Exchanger) (Mfr's Serial) (State & State N)

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material **#316 SS** TS **75000** Nominal Thickness **125** in. Allowance = in. Diam **2 ft 0 in** Length **2 ft 3 in**
(Kind and Spec. No.) (Fig. or P.B. & lowest T.S.)
5. SEAMS: Long **DBL. BUTT WELD** S R **NO** X.R. **NO** Sectioned **NO** Efficiency **80** %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Girth **DBL. BUTT WELD** S R **NO** X.R. **NO** Sectioned **NO** No. of Courses **1**
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
6. HEADS: (a) Material **#316 SS** TS **75000** (b) Material **#316 SS** TS **75000**
(Top, bottom ends) Thickness **.125** Crown Radius **24** Knuckle Radius **1.5** Elliptical Ratio **CONCAVE & CONVEX**
(a) TOP **.125** **24** **1.5** (b) BOTTOM **.125** **24** **1.5**
If removable, bolts used

If riveted describe seams fully on reverse side of form

CONCAVE & CONVEX
CONCAVE & CONVEX

7. STAYBOLTS: (Material) If hollow (Material Spec. No. T.S. Size Number) Attachment (Threaded, Welded) Patch (Horizontal) (Vertical) Diam (N/A)
8. JACKET CLOSURE: (Describe or attach sketch) If bar give dimensions If bolted describe location

9. Constructed for Int'l pressure **75** psi Max. Temp **450** °F Subzero °F Hydrostatic Test **70** psi
Items 10 and 11 to be completed for jacketed vessels

10. TUBE SHEETS: Stationary Material (Kind & Spec. No.) Diam. in. Thickness in. Attachment (Welded, Bolted)
Floating Material Diam. in. Thickness in. Attachment
11. TUBES: Material (Kind & Spec. No.) in. Thickness in. or kg. Number Type

Item 12 to be completed for jackets of jacketed vessels or shells of heat exchangers

12. SHELL: Material **#316 SS** TS **75000** Nominal Thickness **125** in. Allowance = in. Diam **2 ft 0 in** Length **2 ft 3 in**
(Kind and Spec. No.) (Fig. or P.B. & lowest T.S.)
13. SEAMS: Long **DBL. BUTT WELD** S R **NO** X.R. **NO** Sectioned **NO** Efficiency **80** %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Girth **DBL. BUTT WELD** S R **NO** X.R. **NO** Sectioned **NO** No. of Courses **1**
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
14. HEADS: (a) Material **#316 SS** TS **75000** (b) Material **#316 SS** TS **75000**
(Top, bottom ends) Thickness **.125** Crown Radius **24** Knuckle Radius **1.5** Elliptical Ratio **CONCAVE & CONVEX**
(a) TOP **.125** **24** **1.5** (b) BOTTOM **.125** **24** **1.5**
If removable, bolts used

If riveted describe seams fully on reverse side of form

JUL 20 1954

15. Constructed for Int'l pressure **75** psi Max. Temp **450** °F Subzero °F Hydrostatic Test **70** psi
Items 16 and 17 to be completed for vessels with inlets or outlets

16. SAFETY VALVE OUTLET: Number Size Location

17. NOZZLES: Purpose, Size, Number, Location, Type, Material, Thickness, Pressure, H.W. Allowance
INLETS-OUTLETS **2** **1"** **PADS** **#316 SS** **.562** **NONE** **WELDED**
DRAIN **1** **1"** **PAD** **#316 SS** **.562** **NONE** **WELDED**

18. INSPECTION OPENINGS: Material, Size, Location, Type, Material, Thickness, Pressure, H.W. Allowance
1 **11" x 15"** **IN TOP HEAD** **NONE** **WELDED**

19. SUPPORTS: Skirt **NO** Legs **4-ANGLE LEGS** Attached **WELDED, LOWER**

20. REMARKS: **VESSEL BUILT UNDER PAR. U-69, FOR SAFETY FACTOR OF 5. END OF SHELL**

Note: Inlet, outlet, or other opening in the vessel or Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.

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We certify that the statements made on this report are correct and that all details of material, construction, and workmanship of this unfired pressure vessel conform to the ASME Code for Unfired Pressure Vessels.

Date **JUL 15 1954** 19

Signed **NOOTER CORPORATION**
Manufacturers

By

Russell Johnson

Certification No.

Exp.

12/31/55

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. **A-318**

VESSEL MADE BY **NOOTER CORPORATION**

ST. LOUIS 4, MO.

I, the undersigned, holding a Certificate of Competence as an Inspector of Boilers and Unfired Pressure Vessels in the STATE OF **N.B.**, and employed by **OCEAN ACCID. & GUAR. CORP.** of **N.Y.**, inspected internally and externally, the vessel described in this report on **JUL 13 1954** and certify that the statements made in this report are correct corresponding with material reports of material furnished by the builders, and measurements made on the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date **JUL 15 1954**

L. G. Russo Commission
Inspector's Signature

N.B. 3259
Inspector's No. & Number

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a Certificate of Competence as an Inspector of Boilers and Unfired Pressure Vessels in the STATE OF **N.B.**, and employed by **OCEAN ACCID. & GUAR. CORP.** of **N.Y.**, inspected the vessel described in this report on **JUL 13 1954** and certify that the statements made in this report are correct corresponding with material reports of material furnished by the builders, and measurements made on the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Vessel No. **10** and the location of construction and assembly is **ST. LOUIS 4, MO.**

Date

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Inspector's Signature

Commission

Inspector's No. & Number