

④ 174718

8/12/12

FORM U-1 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

1. Manufactured by Barber Industries 9625 Shepard Rd. S.E. Calgary, Alta.
2. Manufactured for Texaco Canada Resources P.O. Box 3333, Calgary, Alta.
3. Location of Installation Legarde 10-12-88-16 W6N, British Columbia
4. Type Vertical 3725-3-5 F-1223.1 KBM-48D-5-0 (Year Built) 1980
(Horiz. or vert. tank) (Mfr's Serial No.) (CRN) (Drawing No.) (Nat'l Bld No.)
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 1980 and Addenda to Latest and Code Case Nos. UW12(a)80
(Year) (Date)

Special Service per UG-120(d)

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

6. Shell: Matl. SA106 B Nom. Thk. 26.2mm in. Corr. Allow. 1.6mm in. Diam. 457mm in. Lgth. 1778mm in.
(Spec. No., Grade)
7. Seams: Long. SMLS R.T. n/a Efficiency 100 % H.T. Temp. 621°C F Time 1½ hr
(Welded, Dbl, Sngl, Lap, Butt) (Spot or Full)
Girth Single butt weld R.T. Full No. of Courses -
(Welded, Dbl, Sngl, Lap, Butt) (Spot, Partial, or Full)
8. Heads: (a) Material SA516-70 (b) Material SA516-70
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisp. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a)	Top	27.2mm	1.6mm			2:1				concave
(b)	Bottom	27.2mm	1.6mm			2:1				concave

If removable, bolts used (describe other fastenings)

9. Constructed for max. allowable working pressure 7239 kpa psi at max. temp. 149°C F. Min. temp. (when less than -20 F) _____ F. Hydrostatic, pneumatic, or combination test pressure 10859 kpa psi.
10. Safety Valve Outlets: Number _____ Size _____ Location _____
11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Inlet	1	114mm	RFWN	SA105 II	XXH	SA106 B	Welded	
Outlet	1	114mm	RFWN	SA105 II	XXH	SA106 B	Welded	
Drain	1	60mm	RFWN	SA105 II	XXH	SA106 B	Welded	
Drain	1	60mm	RFWN	SA105 II	XXH	SA106 B	Welded	
L.L.C.	1	60mm	RFLWN	SA105 II	600#	SA106 B	Welded	
L.L.C.	1	60mm	RFLWN	SA105 II	600#	SA106 B	Welded	
H.L.S.D.	1	60mm	TOL	SA105 II	3000#	SA106 B	Welded	
INSP.	2	60mm	TOL	SA105 II	3000#	SA106 B	Welded	

12. Supports: Skirt Yes Lugs _____ Legs _____ Other _____ Attached Welded
(Yes or no) (No.) (No.) (Describe) (Where and how)
13. Remarks:

1st stage suction scrubber
.32 m³ capacity

CERTIFICATE OF 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.

Date _____ Signed Barber Industries by _____
(Manufacturer) (Representative)

"U" Certificate of Authorization No. 2698 expires March 30, 1981

CERTIFICATE OF SHOP INSPECTION

Vessel made by Barber Industries at Calgary, Alberta

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 Government have inspected the pressure vessel described in this Manufacturers' Data Report on 13 DECEMBER 1980, 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 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.

Signed [Signature] Date 8/12/12 Commissions Alberta
(Inspector) (Nat'l Board, State, Province and No.)

		barber INDUSTRIES A PART OF BRALORNE RESOURCES LIMITED CALGARY ALBERTA	
FULL			
YES		(A) 174718	
3725-3-5	F 1223 1	HW12 A 80	12/02/80
7239 KPA	149 C	10859 KPA	1.6 MM
27.2 MM	SA.516.70	26.2 MM	SA106-R
1ST. STAGE SUCTION SCRUBBER			

① 174718

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
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(Horiz. or vert. tank) (Mfr's Serial No.) (CRN) (Drawing No.) (Nat'l Bld No.)
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 1980 and Addenda to Latest and Code Case Nos. UW12(a)80
(Year) (Date)
Special Service per UG-120(d) _____
Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: _____

6. Shell: Matl. SA106 B Nom. Thk. 26.2mm in. Corr. Allow. 1.6mm in. Diam. 457mm in. Lgth. 1778mm in.
(Spec. No., Grade)
7. Seams: Long. SMLS R.T. n/a Efficiency 100 % H.T. Temp. 621°C Time 1½ hr
(Welded, Dbl, Sngl, Lap, Butt) (Spot or Full)
Girth Single butt weld R.T. Full No. of Courses _____
(Welded, Dbl, Sngl, Lap, Butt) (Spot, Partial, or Full)
8. Heads: (a) Material SA516-70 (b) Material SA516-70
(Spec. No., Grade) (Spec. No., Grade)
- | Location
(Top, Bottom, Ends) | Min.
Thk. | Corr.
Allow. | Crown
Radius | Knuckle
Radius | Ellipse
Ratio | Conical
Apex Angle | Hemisp.
Radius | Flat
Diam. | Side to Pressure
(Convex or Concave) |
|---------------------------------|---------------|-----------------|-----------------|-------------------|------------------|-----------------------|-------------------|---------------|---|
| (a) Top | <u>27.2mm</u> | <u>1.6mm</u> | | | <u>2:1</u> | | | | <u>concave</u> |
| (b) Bottom | <u>27.2mm</u> | <u>1.6mm</u> | | | <u>2:1</u> | | | | <u>concave</u> |

If removable, bolts used (describe other fastenings) _____

9. Constructed for max. allowable working pressure 7239 kpa (Material, Spec. No., Gr. Size, No.)
psi at max. temp. 149°C F. Min. temp. (when less than -20 F) _____ F. Hydrostatic, pneumatic, or combination test pressure 10859 kpa psi.
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Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
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12. Supports: Skirt Yes Lugs _____ Legs _____ Other _____ Attached Welded
(Yes or no) (No.) (No.) (Describe) (Where and how)
13. Remarks: _____

1st stage suction scrubber
.32 m³ capacity

CERTIFICATE OF 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.

Date _____ Signed Barber Industries by _____
(Manufacturer) (Representative)
"U" Certificate of Authorization No. 2698 expires March 30, 1981

CERTIFICATE OF SHOP INSPECTION

Vessel made by Barber Industries at Calgary, Alberta
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 Government have inspected the pressure vessel described in this Manufacturers' Data Report on 13 DECEMBER 1980, 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 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.
Signed [Signature] Date 12/13/80 Commissions Alberta
(Inspector) (Nat'l Board, State, Province and No.)

U		Warbler INDUSTRIES A PART OF BRALORNE RESOURCES LIMITED CALGARY ALBERTA	
FULL			
YES		A 174718	
3725-3-5	F 1223 1	HW12 A 80	12/02/80
7239 KPA	149 C	10859 KPA	1.6 MM
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1ST STAGE SUCTION SCRUBBER			