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NW723

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by **Manchester Tank IN, 905 X Street, Bedford, Indiana, 47421, USA**
(Name and address of manufacturer)
2. Manufactured for **Stock Husky Oil Co. CIO Gas Liquids Eng. Ltd**
(Name and address of purchaser)
3. Location of Installation **Unknown Wolverine Development Project BC**
(Name and address)
4. Type **Vertical** 227269 to 227308 F0628.1C 302428 REV.2 227269-227308 2009
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing No.) (National Board number) (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 2007 to 08
(year) (Addenda (Date))
- 2046-2 N/A
(Code Case numbers) (Special Service per UG-120(d))
6. Shell: SA-414 Grade G .227 in N/A 2' 6.0" (OD) 5' 7.0"
(Material spec, number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))
7. Seams: Type 1 None 70% N/A N/A Type 2 None 85% 1
(Long, (welded, dbl., sngl., lap, butt)) R.T. (Spot or Full) Eff. (%) (H.T. temp) Time (hr) (Grth. (welded, dbl., sngl., lap, butt)) [R.T. (spot or full)] Eff. (%) No. of Courses

8. Heads: (a) Material SA-414 Grade G (b) Material SA-414 Grade G
(Spec. no., grade) (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)	TOP	.186	N/A	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	BOTTOM	.186	N/A	N/A	N/A	2:1	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings)

N/A

(Material, spec. number, grade, size, number)

9. MAWP 200 psi N/A at max. temp. 400 °F N/A
(Internal) (External) (Internal) (External)
- Min. design metal temp. -20 °F at 200 psi Hydro, pneu., or comb. test pressure PNEU. at 260 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	Number	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
Unknown	2	3"	NPT.FLG.	SA-181-70	1500#		Welded	
Insp.Open.	2	2"	NPT.FLG.	SA-181-70	1500#		Welded	Shell
Unknown	1	1.5"	NPT.FLG.	SA-181-70	1500#		Welded	
Unknown	2	1"	NPT.FLG.	SA-181-70	1500#		Welded	
Unknown	2	.5"	NPT.FLG.	SA-181-70	1500#		Welded	
Unknown	1	.25"	NPT.FLG.	SA-181-70	1500#		Welded	

11. Supports: Skirt Yes Lugs N/A Legs N/A Other N/A Attached Bottom/Welded
(Yes or no) (Number) (Number) (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, Manufacturer's name and identifying stamp)

Constructed under the provisions of para. UG-90 (c) (2). Exempt from impact testing by UG-20 (f).

CERTIFICATE OF SHOP/FIELD 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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization No. 6046 expires 12/27/2010

Date 01/12/2009 Co. name Manchester Tank IN Signed *Sam Roberts*
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Manchester Tank IN at 905 X Street, Bedford, Indiana, 47421, USA, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province KY, IN and employed by HSB CT of Hartford, CT have inspected the component described in this Manufacturer's Data Report on January 13, 2009 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 01/13/2009 Signed *John H. H.* Commissions 13406A, KY1010, IN1826
(Authorized Inspector) (National Board (incl. endorsements), State, Province and number)