

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 Code Rules, Section VIII, Division 1

Form U-1-A
A 488494 01

Manufactured and certified by **ENERFLEX SYSTEMS LTD.** Production and Processing 2103 - 8 ST., Nisku, Ab, CANADA T9E 7Z1
(Name and address of manufacturer)
DEVON ENERGY 324-8TH AVENUE S.W. CALGARY ALBERTA T9E 7Z1
(Name and address of purchaser)
GUNDERSON LSD 10-12-63 W6M
(Name and address)
R-2167.2
(CRN)
B6902-272 REV. 1
(Drawing No.)
2003
(Nat'l. Bd. No.) (Year Built)
The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1
2001
Year

Type **VERTICAL**
(Horiz. or vert. tank)
The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE
Addenda (Date) **SA516-70N** Code Case Nos. **3.25"** Special Service per UG-120 (d) **125"**
hell: **SA516-70N** Matl. (Spec. No., Grade) **TYPE 1** Nom. Thk. (in.) **FULL** Corr. Allow. (in.) **72" ID**
ams: **TYPE 1** R.T. (Spot or Full) **SA516-70N** Eff. (%) **100** H.T. Temp. (°F.) **1150** 2.33
ads: (a) Matl. (Spec. No., Grade) **SA516-70N** (b) Matl. **TYPE 1**
Diam. I.D. (ft. & in.) **27'-0"** Length (overall) (ft. & in.) **3**
Girth (Welded, Dbl., Sngl., Lap, Butt) **SA516-70N** R.T. (Spot, Partial or Full) **FULL** No. of Courses **3**
(Spec. No., Grade)
Minimum Thickness **3.18"** Corrosion Allowance **.125"** Crown Radius **---** Knuckle Radius **---** Elliptical Ratio **2:1** Conical Apex Angle **---** Hemispherical Radius **---** Flat Diameter **---** Side to Pressure (Convex or Concave) **CONCAVE**
TOP **3.18"** **.125"** **---** **---** **2:1** **---** **---** **---** **CONCAVE**
BOTTOM **3.18"** **.125"** **---** **---** **2:1** **---** **---** **---** **CONCAVE**
movable, bolts used (describe other fastenings)

VP **1440** psi at max. temp. **650** (Matl., Spec. No., Gr., Size, No.)
design metal temp. **-50** °F at **1440** psi Hydro., Pneu., or Comb. test pressure **1991** psi
zzles, inspection and safety valve openings:

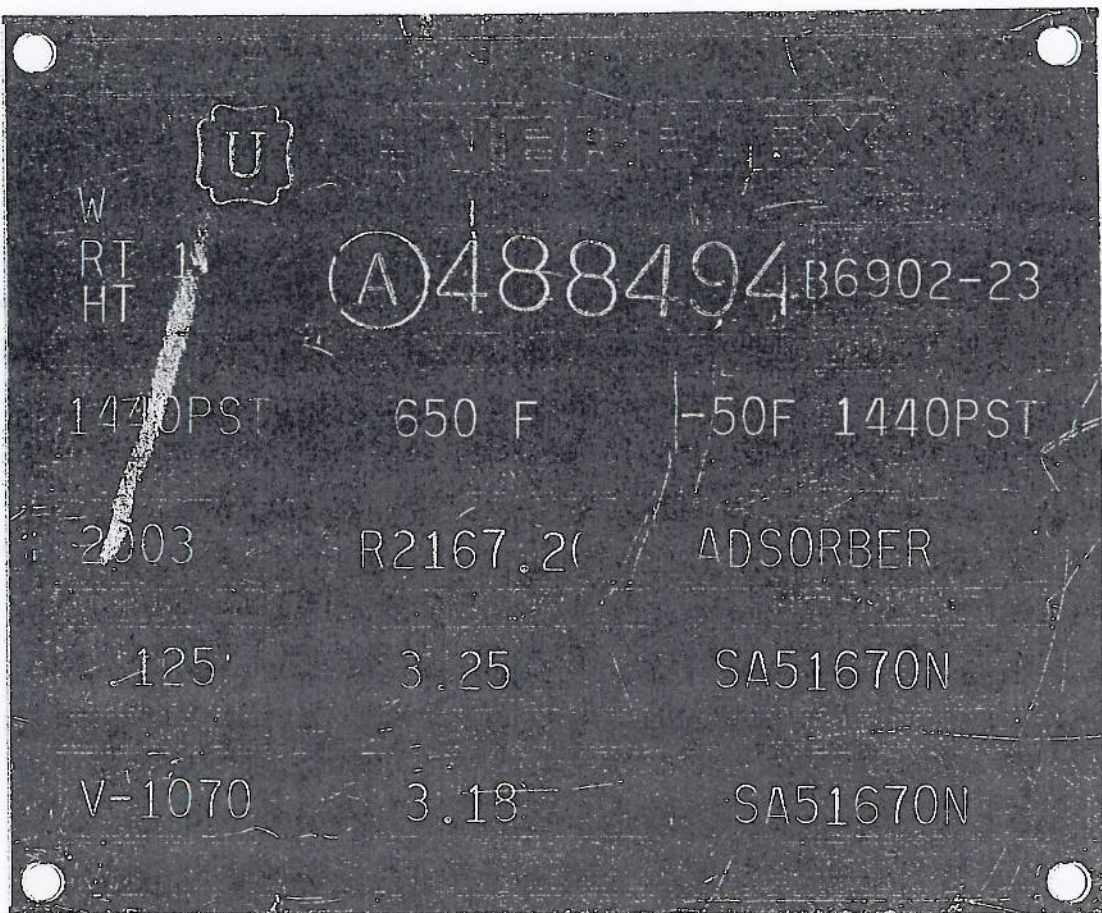
Purpose	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Outlet, Drain								
OUTLET	1	8" 900#	RTJWN	SA350LF2	2.093"	---	UW16.1C	HEAD
WA...ILET	1	20" 900#	RTJV1	SA350LF2	3.88"	---	UW16.1C	HEAD
IAN,...	1	20" 900#	RTJV1	SA350LF2	3.88"	---	UW16.1C	SHELL
PECTION	1	6" 900#	RTJHB	SA350LF2	2.47"	---	UW16.1C	SHELL
U4 FORM								

Skirt **YES** Lugs **(No.)** Legs **(No.)** Other **(Describe)** Attached **BOTTOM HEAD, WELDED**
(Yes or no) (Where and how)
Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items

TOWER (V-1070) CONSTRUCTION DWG. B6902-273 REV. 0 VESSEL HYDRO TESTED HORIZONTALLY
IMPACT TESTED PER UG-84. ALL OTHER COMPONENTS EXEMPT PER UCS-66(a), UCS-66(b), UCS-66(c) & FIG. UCS-66 NOTE (e).
cu. m. 825 cu. ft. VESSEL OVER PRESSURE PROTECTION TO BE PROVIDED IN PIPING.

CERTIFICATE OF SHOP/FIELD COMPLIANCE
The statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel
ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 16081
JAN 26, 2004
H5, 2003 Co. name **ENERFLEX SYSTEMS LTD.** (Manufacturer)
Signed **(Representative)**

CERTIFICATE OF SHOP/FIELD INSPECTION
Commissioned by **ENERFLEX SYSTEMS LTD.** at **NISKU, ALBERTA**
Commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of **ALBERTA**
and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in
ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or
g t ssure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable
an, sonal injury or property damage or a loss of any kind arising from or connected with this inspection.
Signed **(Authorized Inspector)** Commissions **AB # 132**
Nat'l. Board (Incl. endorsements)



W

RT
HT

U

(A)488494 B6902-23

1440PST

650 F

-50F 1440PST

2003

R2167.2(

ADSORBER

125

3.25

SA51670N

V-1070

3.18

SA51670N

X