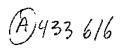
FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop Fabricated - Vessel Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1



1.	Manufactured ar	d certi	fied by	Opsco'	psco'92 Industries Ltd. 2601 Centre Avenue East, Calgary, Alberta, T2P 2L1							
2.	2. Manufactured for SUNCOR INC. RESO			NC. RESOUR	(Name and address of manufacturer) IRCES GROUP,112-4TH AVE.SW,CALGARY,AB.							
3.	3.Location of installation LS			:11-28-74-10	W6M	ns ems()	d address of pure?		····			
4.	Туре		BLOWCA		V-2699B Mfgr's serial No.1		(Name and add) 7407.2 (CRN)	V-97-2699	1513 R.2	N/A Nort Bot Not	1997 (Year)	
•		•	lysical properties of all parts m		,		. ,	•	-	,		
VESSEL CODE. The design construction, and workmanship conform to ASME Rules, Section VIII, Division I 1995												
	ta		1005		(Year)							
		Addonda	1995 nda (dale)		N/A Code Case Nos.				N/A rice per UG-120(d)			
6.Shell:			SA-516-70N		1.5" .12					ε	3'-0"	
		TVI	Mari (Spec. No PE 1	o., Grade) FULL	Nominal Thk.(in.) Corr. Allow.(in.) 100% 1150 F 1.5		ա.(m.) 1.5 HRS	Diameter (.D.(ft.%in.) TYPE 1		Length (overall) (ft.&in.)		
			(Weld Dbl. R.T. (Spot or Full)		100% Elt.(%)					RT. (Spot, Panial No. of		
Sin			.ap,Bult}				- '	SnglLap,	Butt)	or Fuli	Courses	
8.	Heads: (a) Ma				516-70N (b) No. Grade)		(b) Mat'l			516-70N No. Grade)		
Location (Top		,	Minimum Corresion		Crown Knuckle		Elliptical	Conical	Hemisphorical			
	Bottom, Ends)		Thickness	A'llowance	Radius	Radius	Platio	Apex Angle	Radius	Diameter	(C inc/Canv	
(a)	TOP		1.445	.125			2:1				CONC	
(b)	ВТМ		1.445	.125			2:1			<u> </u>	CONC	
if removable, boits used (describe other fasteners)  Material Specification No. Gr., Sze, No.)												
9.MAWP: 1435 psi at max. temp 130 F •F												
	Min.Des.Met.Temp	),	-20 F	∘Fat							psi	
10	Nozzles, Inspection	and s	ifety valve ope	nings:				•				
Purpose No.		No.	Diam.	Type	Mac		Norn.	Firinforcement		How	Location	
trice, Outlet, Omini LSHH/LSL/INSP 2		2	or Size	600#-PFLWN	SA-105N		This.	·		KELDED	SHELL.	
WI/DRAIN/LT		4	Ź	600#-PFWN	SA-106B		.343			VELDED	<u> </u>	
PSV		1	1*	600#-RFLWN	SA-105N		.560°	INTEGRAL V		VELDED		
TC/H/II		6	.75*	600#-RFLWN	SA-105N		.570	INTEG	INTEGRAL W			
<del> </del>		<del></del>								<del></del>		
	•	<del>                                     </del>								<del></del>		
	, ,	- ""										
		<u> </u>							<sup>[</sup>			
11.Supports: Skirt YES Lugs					Legs Other			Attache BTM HD & WELDED				
(Yes/no) (No.)			(No.) (Describe)					(Where and how)				
12.	.Remarks: Manuf the report:	acture	's Partial Dat	a Reports prope	rly identified	and signed by	Commission	ed inspectors	have been fur	nished for t	he following	
	(Name of part, item number, Migr's name and identifying stamp)											
	Impact Testing: EXEMPT AS PER UCS-66 Radiagraphy per: UW-11a Tag No.: 9-410 Volume: 1.02 CU.M											
CRN DN:V-97-2699-1513 R.P/Q												
CERTIFICATE OF SHOP 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 ASMS Code for Pressure Vessels, Section VIII, Division 1, "U" Certificate of Authorization No. 21356 expires July 21, 1998											
Date Juning 25/97 Co. Name Opsco 92 Industries Ltd. Signed												
CERTIFICATE OF SHOP INSPECTION (Manufacture)												
Vessel constructed by Opsco 92 Industries Ltd. at CALGARY, ALBERTA, CANADA												
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesset Inspectors and / or the State or Province of												
ALBERTA and employed by ABSA, Alberta Boilers Safety Association												
have inspected the component described in the Manufacturer's Data Report on 25 Jucy 1997, 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												
	y knowledge and entificate neither the				•					_		
facturer's 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.												
C	ate	77 3	<u>7 25.</u> si	gned	Aubourg	Inspector)	Commis	sions	ALBE	HIA #85	and No.)	