

1060-04

**Canadian Natural Resources Limited
Production - Facilities Engineering
A2564852 Inlet Separator Manufacturers Data Report**

Content Date Range: 4/25/1989 to 4/25/1989

Vessel Integrity

Inspection Data

Open: 1/25/2007 Close:

CC+2 0P P

Vital: Yes
Original: Yes
Confidential: No



00759878

A2564852 - SEPARATOR DATA REPORT - APR 1989

ALBERTA LABOUR
General Safety Services Division
Bollers Branch
6th Floor, 10808 - 99 Avenue
Edmonton, Alberta
T5K 0G2

① 2564852

MANUFACTURER'S DATA REPORT
FOR PRESSURE VESSEL

DÉCLARATION DE CONFORMITÉ DU CONSTRUCTEUR
D'APPAREILS SOUS PRESSIC

Partial/Partiel

Upon shipment of a pressure vessel, this form fully and correctly filled in must be mailed to the office of the Chief Inspector in the province of installation in accordance with the regulations under the Act, governing the construction and installation of pressure vessels.

Au moment de l'expédition d'un appareil sous pression, ce formulaire complété correctement, doit être envoyé au bureau de l'inspecteur en chef de la province d'installation tel que prévu dans les règlements de la loi sur les appareils sous pression.

Manufactured by Construit par	Name and address of Manufacturer/Nom et adresse du constructeur Tyson's Welding Ltd 8230 30 Street S.E. Calgary, AB. t2C 1H8
Manufactured for Construit pour	Name and address of Purchaser or Consignee/Nom et adresse du client ou de son représentant DPH Engineers 480 36 Avenue S.E. Calgary, AB.
Ultimate owner Utilisateur	Name and address/Nom et adresse AMOCO CANADA PETROLEUM LTD
Location of Installation Lieu d'installation	Address/Adresse Cypress Gas Plant B.C.

Pressure vessel/Appareil			
Type/Genre INLET SEPARATOR	Serial No./N° de série TW89-J022	Year built/Année de fabrication 1989	Overall Length/Long. totale 4764
Provincial Registration No. - C.R.N./ N° d'enregistrement provincial - N.E.C. H7272-21	National Board No./N° National Board	Drawing No./N° de dessin TW89-J022-01 Rev 1	Diameter/Diamètre 1372 OD

The chemical and physical properties of all parts meet the requirements of material specifications of the A.S.M.E. Code.
Les propriétés chimiques et physiques de toutes les composantes respectent les exigences des spécifications de matériaux de code ASME.

The design, construction and workmanship conform to CSA B51. La conception, la construction et la façon sont conformes à ACNOR B51.	ASME Sec VIII	Division I	Addenda/ Supplément 1987	Code case No. N° de cas
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Manufacturers' partial data reports properly identified and signed by authorized inspectors have been furnished for the following items of the report, and attached to this report:

Les rapports partiels du constructeur adéquatement identifiés et signés par les inspecteurs autorisés ont été produits pour les items suivants du rapport, et attachés à ce rapport:

Names of parts/Nom de la composante	Item No./N° d'item	Manufacturer's Name/Nom du constructeur	Identifying Stamp/Estampe d'identification

Description	Material Matériau	Thickness Épaisseur	Corr. Allow. Surépais. de corr.	Diameter Diamètre	Overall Length Long. totale	Number of courses Nombre de sections	Girth Joints Joints de circonférence		Longitudinal Joints Joints longitudinaux			P.W.H.T. Traitement therm	
							Type	R.T. Radiog	Type	R.T. Radiog	Efficiency Efficacité	Temp.	Time Durée
SHELL	SA 516-70N	57	3.2	1372	4764	2	DBL WELD BUTT	100%	DBL WELD BUTT	100%	1.0	621 C	135 min

Description	Material Matériau	Min. Thckn. Épais. minim.	Corr. Allow. Surép. corr.	Crown Radius Rayon couron.	Knuckle Radius Petit rayon	Ellipse Ratio Rapp. ellipse	Conical Apex Angle Angle conique	Hemisph. Radius Ray. Hémisph.	Flat Diameter Diam. plat	Side to pressure Côte sous pression
HEAD	SA 516-70N	56.4	3.2			2:1				CONCAVE
HEAD	SA 516-70N	56.4	3.2			2:1				CONCAVE

Removable bolts used (describe other fastenings) Boulons amovibles utilisés (décrire tout autre attache)	Mat'l Spec./Spéc. du mat.	Grade	Size/Dimension
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Pressure - Temperature/Pression - température				
Pressure Vessel Part Partie de l'appareil	Constructed for max. allowable working pressure Construit pour une pression maximale de marche permise	At max. temp. A une temp. max.	Min. Temp. (when less than 29°C) Temp. min. (inférieure à 29°C)	Test pressure (hydro-pneumatic or combination) Pression d'épreuve (hydro-pneumatique ou combinaison)
SHELL	9308 KPa	66°C	MDMT -28°C	13961 KPa

Certified by

TYSON'S WELDING

CALGARY, ALBERTA

YR. BUILT 1989

SN. TW89J022

C.R.N. H 7 272.21

MDMT
-28 C
AT
9308
KPA

MAWP 9308 KPa AT 68 °C

MAWP 1350 PSIG AT 151 °F

SH. THK. 57 MM HD. THK. 56.4 MM

RT 1 SH. THK. 2.25 IN HD. THK. 2.22 IN

W MATL. SA 516 70N MATL. SA 516 70N

PWHT

C.A. 3.2 MM

C.A. 125 IN

No.

A 2564852

MANUFACTURERS' SPECIFICATION

LABOUR
General Safety Services Division
Boilers Branch

FOR UNFIRED PRESSURE VESS
(Use Reverse Side for Heat Exchange)

NOTE: Specifications are to accompany drawings in triplicate.

Registration No. _____
(If already approved in some other Province give Reg. No.)

TO ACCOMPANY DRAWING No. TW89-1022-01

- Manufactured by: INSONS WELDING LTD 8220 30 ST SE CALGARY
(Name and Address)
- Type of Vessel: INLET SEPARATOR Service OIL/GAS/WATER
(Water, oil or gas, etc., if non-corrosive specify)
- Design Press 9308 KPa Design Temp 66°C Max. Press. New & Cold _____ Test Press 13961 KPa
- Construction to A.S.M.E. Code Para No. UW11A 1987 Preheat 200°F Post Heat 621°C/1350KMIN
(UW 11, UW 12, etc. year)
- Impact Tests YES Specimen Size FULL Test Temp -28°C
(Full, 1/2, 1/4, etc.)
- Shell: Material SA516-70N Thickness 57.14MM Corr. Allow 3.2mm
- Shell: Dia. 1372.0D Length between Tans. 3658 3/4 Length O.A. 6100 Capacity 5.2 M³
- Seams: Long DBL WELD BUTT Radiography 100% Circum. SINGL WELD BUTT Radiography 100%
(Type) (Nil, Spot, Complete) (Type) (Nil, Spot, Partial, Complete)
- Heads: Material (a) SA516-70N (b) _____ (c) _____

Head Location	Hot or Cold Formed	Min. Thick. After Forming	Corrosion Allowance	Crown Radius	Knuckle Radius	Ellip. Ratio	L'gth Str. Flange	Conical Angle	Hemisp. Radius	Flat Dia. 'd'	Side to Press
Top (a)	HOT	56.4	32mm			2:1	76				CONCAVE
Bottom (b)	HOT	56.4	32mm			2:1	76				CONCAVE
Unformed, (c)											

- (a) If Removable: Bolts: Spec. No. Dia. Area at Root of Thread Gasket: Mat'l "m" factor "y" factor O/D I/D
- (b) If Removable: Bolts: Spec. No. Dia. Area at Root of Thread Gasket: Mat'l "m" factor "y" factor O/D I/D

- Inspection Openings
Manholes: No. M1 Size 20" Location HEAD
Handholes: No. _____ Size _____ Location _____
Threaded: No. _____ Size _____ Location _____
- Safety Valve Outlets: Number _____ Size _____ Location _____
- Supports: Skirt No Lugs _____ No. _____ Legs _____ No. _____ Other SADDLES Attached WELD TO SHELL

13. Nozzles & Manholes

Dia. or Size	Material	Wall Thickness	Reinforcing Ring Width, Thickness	Flange Rating	No. of Nozzles	Cover Rating or Thickness
1"	SA105N, 106B	.358		600#	2	
2"	"	.436		600#	7	
8"	"	.906	375.0D X 44.5K	600#	2	
20"	SA105N, S1670N	1.50	876.30D X 44.5K	600#	1	

- Qualified Welding Procedures Registered 10927 On File YES
(Alberta Reg. No.) (Yes - No)
 - Quality Control Program Registered 1163 On File YES
(Alberta Reg. No.) (Yes - No)
- SIGNATURE FOR MANUFACTURER Steve Cochran Date 89-4-25

FOR DEPARTMENT USE ONLY:

- Approved PRESS 9308 KPA TEMP -28/66°C
- Date 1989 MAY 05 Certified by [Signature] Registration No. H7272-2
(Year/Month/Day)