

**GENERAL PRESSURE VESSEL INFORMATION**

<b>District:</b> High Level	<b>Skid No.</b> 15525
<b>Facility:</b> Chinchaga	<b>Location (LSD)</b> Chjinchaga 11-17-97-6 W6M
<b>Vessel Name &amp; Equipment Number:</b> Fuel Gas Scrubber	
<b>Orientation:</b> Horizontal or Vertical	
<b>Status:</b> operating or shut-in	<b>Commissioning Inspection</b> or <b>Regulatory Inspection</b>

**PRESSURE VESSEL NAMEPLATE DATA**

<b>"A" or "G" or "S" (Sask.) or BC Registration Number.</b> 502167 <b>SAP # 11053304</b>		<b>CRN Number</b> R7294.2	
<b>Vessel serial number:</b> V2580 - 001		<b>Size (diameter x length- estimate if necessary):</b> 16" OD x 50" lg.	
<b>Shell thickness:</b> .844 inches		<b>Shell material:</b> A106B	
<b>Head thickness:</b> .790 inches		<b>Head material:</b> SA-516-70N	
<b>Tube wall thickness:</b> N/A		<b>Tube material:</b> N/A	
<b>Tube diameter:</b> N/A		<b>Tube length:</b> N/A	
<b>Channel thickness:</b>		<b>Channel material:</b>	
<b>Design pressure</b>	<b>Shell:</b> MAWP 200 psi	<b>Operating pressure</b>	<b>Shell:</b> 100 psi
	<b>Tubes:</b> N/A		<b>Tubes:</b> N/A
<b>Design Temp.</b>	<b>Shell:</b> 100 Deg. F	<b>Operating temperature</b>	<b>Shell:</b> 20 Deg. C
	<b>Tubes:</b> N/A		<b>Tubes:</b> N/A
<b>X-ray:</b> RT-1		<b>Heat treatment:</b>	
<b>Code parameters:</b> W		<b>Joint efficiency (if on nameplate):</b>	
<b>Manufacturer:</b> IPS Manufacturing		<b>Year built:</b> 2004	
<b>Corrosion allowance:</b> .0625 inches		<b>Manway?</b> yes no <u>No</u>	

**PRESSURE SAFETY VALVE NAMEPLATE DATA**

Tag Number(s)	Set Pressure	CRN #	Manufacturer /Model / and Code Stamp	Capacity (Scfm)	Size	Set Date
Shell Side G# 632571	150 psi	OG 8841.5C	Mercier / SN# 121762 P/N 91-17051V07E1 ?	329	1"NPT X 1" FNPT	02 / 04
Tube Side G# N/A	N/A	N/A	N/A	N/A	N/A	N/A

**SERVICE CONDITIONS-INDICATE ALL THAT APPLY**

<u>Sweet</u>	Sour	Oil	<u>Gas</u>	Water
Amine	LPG	Condensate	Air	Glycol

Other (Describe): Fuel gas is bought from PB and is dry sweet gas. Fuel gas not taken from Slug Catcher.

**Inspection Interval** 24 mo. **PSV Service Interval** 24 mo.  
 (Determined by MIC in conjunction with Chief Inspector following guidelines of Conoco's Owner-User Inspection Program)

Reports reviewed and accepted by:  
**Mechanical Integrity Coordinator** Barry Throness **PESL Cert # 77** **Date** Feb. 7 / 05

External Inspection Items	G	F	P	N/A	Comments
<b>Insulation</b> Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture.				X	
<b>External Condition</b> Assess paint condition, areas peeling, record any corrosion, damage, etc (record location, size and depth of corrosion or damage)	X				
<b>Leakage</b> Record any leakage at flanges, threaded joints, weep holes on repads, etc.	X				NONE
<b>Skirt/ Saddle</b> Assess condition of paint, fire protection, concrete. Look for corrosion, buckling, dents, etc. Look at vessel surface area near supports. Verify no signs of leakage at attachment to vessel and attachment welds are acceptable. Ground wire attached?	X				Vessel is new. First time in operation
<b>Anchor Bolts</b> Hammer tap to ensure secure. Look for cracking in treads or signs of deformation.	X				Welded to floor
<b>Concrete foundation</b> Check for cracks, spalling, etc.				X	
<b>Ladder / Platform</b> Describe general condition, ensure support is secure to vessel, describe any hazards.				X	
<b>Nozzle</b> Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles gusseted?	X				
<b>Gauges</b> Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/ Temp.	X				
<b>External Piping</b> Ensure pipe is well supported. All clamps, supports, shoes, etc. in place. Look for evidence of structural overload, deflection, etc. Paint condition, external corrosion?	X				
<b>Valving</b> Ensure no leaks are visible. Valves are properly supported and chained if necessary.	X				
<b>PSV</b> Ensure PSV is set at pressure at or below that of vessel. Discharge piping is same size as inlet to valve and is properly supported and routed. Ensure no block valves between psv and vessel or if there are they are locked open.	X				
<b>NDE methods</b> Was UT/ MPI done on vessel (MI coordinator to review results)					
<b>Other</b>					

**Recommendations or corrective actions : Vessel is Fit for Service or describe corrective actions required)**  
(MIC to review corrective actions with Operations, discuss with Chief Inspector where necessary, and get remedial action implemented)

*Dave Basiuk*



*Valley B  
operates*

# Certificate of Inspection

**CONOCOPHILLIPS CANADA LIMITED**  
PO BOX 130, STN M  
401 9 AVENUE SW  
ATTN: GARRY WATT  
CALGARY, AB  
T2P 2H7

PREFERRED RE-INSP. INTERVAL: Yr.  
YEAR BUILT: 2004  
CRN: R7294.2  
SERIAL #: V-2580-001  
VOLUME: 0.185 M3

HEATING SURFACE:  
SURFACE AREA:

**COMPANY CODE:**

**DESCRIPTION:** VERTICAL FUEL GAS SCRUBBER  
**LOCATION:** LSD 11-17-97-6 W6M (CHINCHAGA)  
**MANUFACTURER:** IPS MANUFACTURING LIMITED

Safety Valves

PART	MAX. AUTHORIZED WORKING PRESSURE	MAX. TEMP	MIN. TEMP	VALVE ID	SETTING	CAPACITY	LOCATION
VESSEL	1379 KPA	38 C	-29 C	SV1			TO BE INSTALLED

**OWNER INSTRUCTIONS/REMARKS:**

NOT SUBJECT TO ANNUAL FEES AS PER INFORMATION BULLETIN IB03-003 (e) (v)  
PRESSURE VESSELS HAVING A VOLUME NOT EXCEEDING 0.5 M3 (500 LITRES) THAT ARE DESIGNATED FOR THE FOLLOWING USES: FUEL GAS SCRUBBERS;

OWNER TO VERIFY INTEGRITY OF VESSEL BY PERIODIC INSPECTION PROGRAM.

VERIFY THAT VESSEL/BOILER IS PROTECTED BY AN ACCEPTABLE ASME CODE PRESSURE RELIEF VALVE, OF ADEQUATE CAPACITY, SET AT NO MORE THAN MAXIMUM PRESSURE AUTHORIZED AND INSTALLED IN ACCORDANCE WITH THE SAFETY CODES ACT & REGULATIONS.

VESSEL/BOILER TO BE INSTALLED IN ACCORDANCE WITH THE SAFETY CODES ACT AND REGULATIONS.

**Safety Codes Officer:** LICHTENWALD, LARRY

**Signature:**

**REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:**

The owner or person in charge shall report all accidents involving a boiler, pressure vessel or pressure piping system to the district Safety Codes Officer immediately and shall send a full report in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.