



COMPONENTS

INLET SEPARATOR:

V-110

MAKE: PENFABCO
MAWP: 275 PSI @ 100 DEG F
MDMT: -20 DEG F @ 275 PSI
CORROSION ALLOWANCE: .0625"
CRN NO: H3189.213
SERIAL NO: PE-7676
(A) 480866

INLET GAS FILTER:

V-140

MAKE: NAFCO (COALESING)
MAWP: 175 PSI @ 450 DEG F
MDMT: -20 DEG F @ 175 PSI
CRN NO: P0368.2
SERIAL NO: 465.UM
PART NO: 12831
MODEL: 51030M10H / SPL
GASKET: GBBNOO43, FILTERS: 2-340 X 3

OIL COALESCING VESSEL:

V-150

MAKE: PENFABCO
MAWP: 300 PSI @ 250 DEG F
MDMT: -20 DEG F @ 300 PSI
CORROSION ALLOWANCE: .0625"
CRN NO: L9951.2
SERIAL NO: PE-7270
(A) 476751

FUEL GAS SCRUBBER:

V-160

MAKE: JIRO COMPRESSION LTD.
CRN NO: OH3799.231
MAWP: 1440 PSI
SERIAL NO: 4DP-375

FLOAT CHAMBER:

V-170

2" MURPHY FLOAT BOWL
MODEL NO: 15-05-0697, MAWP 2000 PSI
CRN NO: 0H1476.2

LUBE MANIFOLD:

V-180

MAKE: LOTECH
MAWP: 720 PSI
CRN NO: OH4714.23
SERIAL NO: LOT #4



COMPONENTS CONTINUED

SCREW COMPRESSOR:

S-210

MAKE: MYCOM
MODEL NO: 160VLRD-222
SERIAL NO: 1642566

NATURAL GAS ENGINE:

M-310

MAKE: CATERPILLAR
MODEL NO: 3306 ATAAC
ARRANGEMENT NO: 102-9435
SERIAL NO: 07Y08818
C/W SILEX, 6" HOSPITAL PLUS
MODEL NO: JDDPR-6-SI

HEATERS:

H-410 / H-420

MAKE: CIS CAN
MODEL NO: WX24X24
SERIAL NO: 205210, 205208

OIL & GAS COOLER:

C-510

MAKE: API AIRTECH
CUSTOMER PART NO: 647
PART NO: 699-0325
MAWP: 300 PSI @ 300 DEG F
CRN NO: OH4584-2
SERIAL NO: J25009, WO18884

ENGINE JACKET WATER:

C-520

MAKE: GLOBAL HEAT TRANSFER
MODEL NO: GHTJIRO/01
SERIAL NO: 0110

AIR TO AIR COOLER:

C-530

MAKE: DURALITE HEAT TRANSFER
PRODUCTS
MODEL NO: USMADAC-17A
SERIAL NO: 60992

PUMP:

P-610

MAKE: COMMERCIAL SHEARING HYD.
MODEL NO: D2300E019036
SERIAL NO: E026779



COMPONENTS CONTINUED

PSV'S:

PSV-1101 PRESSURE SAFETY VALVE

MAKE: MERCER
TYPE: 8128821111
SET PRESSURE: 150 PSI
CAPACITY: 1296 SCFM
SERIAL NO: 3996 PCR: 021062

PSV-1501 PRESSURE SAFETY VALVE

MAKE: MERCER
TYPE: 91-38G111813
SET PRESSURE: 300 PSI
CAPACITY: 2441 SCFM
SERIAL NO: 89880 PCR: 021153

PSV-1601 PRESSURE SAFETY VALVE

MAKE: MERCER
TYPE: 9117D51V07E1
SET PRESSURE: 125 PSI
CAPACITY: 279 SCFM
SERIAL NO: 9413 PCR: 021145



COMPONENTS CONTINUED

CONTROLLERS:

LC-1101 LEVEL CONTROLLER

MAKE: FISHER
MODEL NO: L2 SNAP
LOT DATE CODE: 0090302

PC-1101 PRESSURE CONTROLLER

MAKE: FISHER (ENCORE)
TYPE: 4150KR
SERIAL NO: 16112226

DPC-2101 DIFFERENTIAL PRESSURE CONTROLLER

MAKE: SUNHYDRAULICS
MODEL NO: CAD 0GLI-A2

TC-5101 / TC-5201 TEMPERATURE CONTROLLERS

MAKE: KIMRAY
TYPE: HT-12



COMPONENTS CONTINUED

CONTROL VALVES:

LCV-1101 LEVEL CONTROL VALVE

MAKE: FISHER
MODEL NO: FLOPRO D2
LOT DATE CODE: 024062

PCV-1101 PRESSURE CONTROL VALVE

MAKE: DYNA-FLO
MODEL NO: DFR069, DFV2000
ACTUATOR SIZE 40 / BODY SIZE 3"
SERIAL NO: 981456

PCV-1102 PRESSURE CONTROL VALVE

MAKE: FISHER
TYPE: 627-496 c/w 1/2" orifice
SPRING RANGE: 5-20 PSI

PCV-1601 PRESSURE CONTROL VALVE

MAKE: FISHER
TYPE: 627-499 c/w 1/2" orifice
SPRING RANGE: 70-150 PSI

PCV-1602 / PCV-1603 PRESSURE CONTROL VALVES

MAKE: FISHER
TYPE: 67 CFR-362 c/w VENTED BONNETS
SPRING RANGE: 0-35 PSI

PCV-3101 / PCV-3102 PRESSURE CONTROL VALVES

MAKE: FISHER
TYPE: 627-497 c/w 1/2" orifice
SPRING RANGE: 15-40 PSI

PCV-3103 PRESSURE CONTROL VALVE

MAKE: FISHER
TYPE: 627-496 c/w 1/2" orifice
SPRING RANGE: 5-20 PSI

PCV-3104 PRESSURE CONTROL VALVE

MAKE: FISHER
MODEL NO: Y600A1331, CAT NO: 2W6022
OUTPUT: 4-8" WC, C/W 9/16" ORIFICE
SERIAL NO: 16101498



COMPONENTS CONTINUED

CONTROL VALVES CONT:

PCV-4101 / PCV-4201 PRESSURE CONTROL VALVES

MAKE: FISHER
MODEL NO: 912

ESDV-4101 / ESDV-4201 EMERGENCY SHUT DOWN VALVES

MAKE: MAXITROL
MODEL NO: ES404

TSDV-4101 / TSDV-4201 TEMPERATURE SHUT DOWN VALVES

MAKE: BASO
MODEL NO: H17CB-5
GAS LP ½ PSI

TCV-2101 THERMOSTATIC VALVE

MAKE: AMOT
MODEL NO: 1 1/2BHCT14001
SERIAL NO: G8941

PCV-5101 BACK PRESSURE CONTROL VALVE

MAKE: KIMRAY
TYPE: 230 SGT-BP
SERIAL NO: 2012280254



COMPONENTS CONTINUED

PANEL ELECTRICAL:

ALTRONIC PYROMETER

MODEL NO: DPYH-4396U

SERIAL NO: 2433

ALTRONIC ANNUNCIATOR

MODEL NO: DD-40NT-C

SERIAL NO: 2719

ALTRONIC ANNUNCIATOR POWER SUPPLY

PART NO: 690 112

SERIAL NO: 3223

ALTRONIC HOURMETER

PART NO: DT-100A

ALTRONIC CPU-95 IGNITION SYSTEM

PART NO: 791950-16

SERIAL NO: 9694

ALTRONIC CPU-95 DISPLAY MODULE

PART NO: 791902-1

SERIAL NO: 5561

ALTRONIC VOLTAGE REGULATOR

PART NO: 581501



COMPONENTS CONTINUED

ELECTRICAL / INST:

FD-1101 FIRE DETECTION

MAKE: UNITED ELECTRIC

TYPE: J120-190

RANGE: 0- 200KPA

ID: 0144

C/w ZONE SENSORS AS FOLLOWS

1 RED (281 °F) AND 2 GREEN (255 °F)

HS-1101 HAND SWITCH

MAKE: TELEMECANIQUE

MODEL NO: XALB174H29H7

DPS-2101 DIFFERENTIAL PRESSURE GAUGE

MAKE: CUSTOM CONTROL SENSOR

MODEL NO: 604DJ2

SERIAL NO: 06222345-4, T-13079

SET @ 20 PSI FALLING

PSL-2101 PRESSURE SWITCH LOW SUCTION

MAKE: SOR

MODEL NO: 56AG-EF316-M4-C1A-NC

SERIAL NO: 010504444

SET @ 5 PSI FALLING

PSH-2101 PRESSURE SWITCH HIGH SUCTION

MAKE: CUSTOM CONTROL SENSORS

MODEL NO: 6900GE18

SERIAL NO: 05222264-4, T13139

SET @ 80 PSI RISING

PSH-2102 PRESSURE SWITCH HIGH DISCHARGE

MAKE: CUSTOM CONTROL SENSORS

MODEL NO: 6900GE18

SERIAL NO: 05222264-2, T-13139

SET @ 285 PSI RISING



COMPONENTS CONTINUED

ELECTRICAL / INST CONT:

LSHH-1101 LEVEL SHUT DOWN HIGH

MAKE: MURPHY
MODEL NO: L1200

LSLL-1501 LOW SHUTDOWN LEVEL

MAKE: MURPHY
MODEL NO: L1200

FSDV-3101 FLOW VALVE

MAKE: MURPHY
MODEL NO: M5081-C

LISLL-3101 LEVEL GAUGE ENGINE OIL

MAKE: KENCO
MODEL NO: LCE-12

VSHH-3101 VIBRATION SWITCH

MAKE: MURPHY
TYPE: VS-2

ST-3101 FLYWHEEL SPEED SENSOR (CPU)

MAKE: ALTRONIC
PART NO: 691-118-2

ST-3102 SPEED SENSOR RESET (CPU 95)

MAKE: ALTRONIC
PART NO: 691-118-2

ST-3103 SPEED SENSOR PANEL

MAKE: ALTRONIC
PART NO: 591-014-1

LISLL-5201 LEVEL INDICATOR ENGINE COOLANT

MAKE: MURPHY
TYPE: EL150K1
PART NO: 15-70-0116-W9

LI-5202 COOLANT SURGE TANK

MAKE: NEW HOLLAND
PART NO: A184079



COMPONENTS CONTINUED

ELECTRICAL / INST CONT:

TE-2101 DISCHARGE TEMPERATURE SENSOR

MAKE: ALTRONIC
TYPE: PYROLEAD
PART NO: 151000157 4'

TE-2102 COMPRESSOR OIL TEMPERATURE SENSOR

MAKE: ALTRONIC
TYPE: PYROLEAD
PART NO: 151000156 2'

TE-3101 ENGINE JACKET WATER TEMPERATURE SENSOR

MAKE: ALTRONIC
TYPE: PYROLEAD
PART NO: 151000156 2'

TE-3102 ENGINE OIL TEMPERATURE SENSOR

MAKE: ALTRONIC
TYPE: PYROLEAD
PART NO: 151000157 4'

TE-3103 EXHAUST TEMPERATURE SENSOR

MAKE: ALTRONIC
TYPE: PYROLEAD
PART NO: 151000157 4'

UY-1101 THREE-WAY VALVE

MAKE: AMOT
MODEL NO: 4057D025H2
SERIAL NO: 1H4670

UY-1102 THREE-WAY VALVE (FIRE DET.)

MAKE: AMOT
MODEL NO: 4057D025H2
SERIAL NO: 1H4670

AMOT RESTRICTOR

MODEL: 2185L 011
ORIFICE: 0.014 INCH



COMPONENTS CONTINUED

PANEL GAUGES:

PI-3103 ENGINE OIL PRESSURE

MAKE: MURPHY SWITCH GAGE
MODEL NO: A25PEF-100
PART NO: 05-70-4471-W11

DPI-2101 COMPRESSOR OIL FILTER DIFFERENTIAL PRESSURE

MAKE: MID WEST
MODEL NO: 120 AA-00-0 (AA)
RANGE: 0-30 PSI
SERIAL NO: 370501
SET @ 15 PSI RISING

DPI-1501 COALESCER FILTER DIFFERENTIAL PRESSURE

MAKE: MID WEST
MODEL NO: 120 AA-00-0 (AA)
RANGE: 0-30 PSI
SERIAL NO: 370595
SET @ 20 PSI RISING

PI-1102 SUCTION PRESSURE

MAKE: WIKA SS LF
SCALE: -30 IN HG – 100 PSI
-100 – 700 KPA
SIZE: 1/4" LBM X 4" FACE

PI-2104 DISCHARGE PRESSURE

MAKE: WIKA SS LF
SCALE: 0-400 PSI / 0-2800 KPA
SIZE: 1/4" LBM X 4" FACE



COMPONENTS CONTINUED

PRESSURE GAUGES:

PI-1101 PRESSURE INDICATOR

MAKE: WESTERN SS LF
SCALE: 0-400 PSI / 0-2800 KPA
SIZE: 1/2" BM X 4" FACE

DPI-1401 DIFFERENTIAL PRESSURE INDICATOR (INLET FILTER)

MAKE: MID WEST
MODEL NO: 141AA-00-00, 0-5 PSI
SERIAL NO: 0422182

DPI-2102 DIFFERENTIAL PRESSURE INDICATOR (WITCHES HAT)

MAKE: MID WEST
MODEL NO: 141AA-00-00, 0-50 inches water
SERIAL NO: 372063

PI-1601 PRESSURE INDICATOR

MAKE: WESTERN LF
SCALE: 0-200 PSI / 0-1400 KPA
SIZE: 1/4" LM X 2 1/2" FACE

PI-1602 / PI-1603 / PI-3101 PRESSURE INDICATOR

MAKE: WESTERN LF
SCALE: 0-60 PSI / 0-420 KPA
SIZE: 1/4" BM X 2 1/2" FACE

PI-2101 / PI-2102 / PI-2103 PRESSURE INDICATOR

MAKE: WESTERN SS LF
SCALE: 0-400 PSI / 0-2800 KPA
SIZE: 1/4" LM X 2 1/2" FACE

PI-3102 PRESSURE INDICATOR

MAKE: WESTERN LF
SCALE: -30" HG-30 PSI / -100-210 KPA
SIZE: 1/4" LM X 2 1/2" FACE

PI-5101 PRESSURE INDICATOR

MAKE: WESTERN SS LF
SCALE: 0-300 PSI / 0-2100 KPA
SIZE: 1/4" LM X 2 1/2" FACE



COMPONENTS CONTINUED

MISC:

F-810 AB OIL FILTERS

MAKE: DONALDSON
MODEL NO: HMK25
PART NO: P169984
ELEMENT NO: P165569

F-810 C OIL FILTER

MAKE: DONALDSON
MODEL NO: HMK05
PART NO: P167294
ELEMENT NO: P165569

FF-820 FUEL FILTER

MAKE: TECHNOLAB (FLAIR)
MODEL: TLH00129
MAWP: 230 PSI @ 122° F
ELEMENT: TLH0129E

FE-1601 FUEL METER

MAKE: DRESSER DMD (ROOTS)
MODEL NO: 8C175, B/M 050932-121
SERIAL NO: 0218558
METER FACTOR: 1.004

LG-1101 LEVEL GAUGE

MAKE: PENBERTHY
MODEL NO: 1RM-7 STLNE
C/W 330J SIGHT GLASS VALVES

LG-1501 LEVEL GAUGE

MAKE: PENBERTHY
MODEL NO: 1RM-7 STLNE

LG-1502 LEVEL GAUGE

MAKE: AC & R
MODEL NO: SG-12

LG-1501 LEVEL GAUGES

MAKE: AC & R
MODEL NO: SG-04



COMPONENTS CONTINUED

MISC CONTINUED:

LG-7101 LEVEL GAUGE

5/8" RED LINE SIGHT GLASS
C/W N7A SIGHT GLASS VALVE

TI-2101 / TI-5101 TEMPERATURE INDICATORS

MAKE: WESTERN
SCALE: -40 TO 160 °F / -40 TO 70 °C
SIZE: 1/2" NPT X 3" FACE

A-3101 ALTERNATOR

MAKE: ALTRONIC
PART NO: 590011-G

S-3101 STARTER

MAKE: TDI
MODEL NO: T301
PART NO: T312-60017-02R
SERIAL NO: 0108-582

SW-3101 START SWITCH

MAKE: INGERSOL RAND
MODEL NO: SMB-618

SV-3101 PNEUMATIC START VALVE

MAKE: TECH DEVELOPMENTS LTD.
MODEL NO: RLVA-25683-001-201
SERIAL NO: 0009-196

T-710 ENGINE OIL DAY TANK

MAKE: JIRO COMPRESSION
CAPACITY: 20 GAL
SERIAL NO: DT-A08

COUPLING

MAKE: FALK
MODEL NO: 1080 T C/W MACHINED BORE



**GAS DETECTION
TRANSMITTER**

MAKE: NET SAFETY
MODEL NO: ML7132E-SC11002-SEP
SERIAL NO: M00948LS
C/W BEACONS

SENSOR

MAKE: NET SAFETY
MODEL: SC1100
SERIAL NO: 69825LS

SWITCH

MAKE: CUSTOM CONTROL SENSOR
MODEL NO: 6900GZE12
SERIAL NO: 330515-0203-3
SET @ 8 PSI DECREASING

COMPONENTS CONTINUED

VALVES:

4" 300 RF FLANGED SOUR FP FLANGED NUTRON
BALL VALVE
SERIAL NO: 12287-002

4" 300 RF FLANGED NAVCO CHECK VALVE:
SERIAL NO: GB026

3" 300 RF FLANGED STREAM FLO / NAVCO
CHECK VALVES SERIAL NO: FB099, FB042

2" 300 RF FLANGED NAVCO CHECK VALVE
SERIAL NO: FB240F

2" THRD NACE CROWN CHECK VALVE

1 ½" THRD MERIDIAN BALL VALVES 2000

1 ½" THRD WHEATLEY CHECK VALVE

1 ½" THRD ALTA Y-STRAINER



1" MERIDIAN THRD BALL VALVES 2000
1" THRD ALTA Y-STRAINER
1" THRD CROWN CHECK VALVES
1/2" AGCO H7VIS44Q CS NEEDLE VALVES
1/2" THRD MERIDIAN BALL VALVES 2000
3/8" SS SWAGELOK SS-CHS6-1 CHECK VALVE
1/4" SS SWAGELOK SS-CHS4-1 CHECK VALVE
1/4" H5VKS SS MINI NEEDLE VALVES
1/4" THRD MERIDIAN BALL VALVES

FITTINGS:

DESCRIPTION:	GRADE:	HEAT NO:
6" 300 SCH 40 RF WN FLANGE	SA-105	HTCO
6" X 3" SCH 40 CONCENTRIC RED	SA234-WPB	00B20075
4" 300 SCH 40 RF WN FLANGES	SA-105	88713, 88717, 386AX 88714
4" 300 SCH 80 RF WN FLANGES	SA-105	721
4" 150 SCH 80 FRWN FLANGES	SA-105	36AX
4" 150 SCH 40 FRWN FLANGES	SA-105	23AX, 382AX
4" SCH 40 90 DEG WELD ELLS	SA234-WPB	44500177, 01700007 A2B125, 1I282X
4" X 3" SCH 80 CONCENTRIC RED	SA234-WPB	GB50
4" X 2" SCH 80 RED TEE	SA234-WPB	01510076
3" 300 SCH 80 RF THRD FLANGES	SA-105	AZ5
3" 300 SCH 80 RF WN FLANGES	SA-105	582
3" 300 SCH 40 RF WN FLANGES	SA-105	317AX, 210AX, 11AZ 32056
3" 150 SCH 40 RF WN FLANGES	SA-105	314AX
3" SCH 40 90 DEG ELLS SR	SA234-WPB	0I402K
3" SCH 40 90 DEG WELD ELLS LR	SA234-WPB	059, GC61



Jiro 3" SCH 40 45 DEG WELD ELL	SA234-WPB	GC61
3" SCH 40 WELD TEE	SA234-WPB	0L1831
3" X 2" SCH 40 X SCH 80 CONC RED	SA234-WPB	01720030
3" X 2" SCH 80 X SCH 40 SWAGE	SA234-WPB	W0033
3" X 1 1/2" SCH 40 X SCH 80 CONC RED	SA234-WPB	9862043
2 1/2" 150 SCH 80 RF WN FLANGE	SA-105	30721
2" 300 SCH 80 RF WN FLANGES	SA-105	38629
2" 150 SCH 80 RF WN FLANGE	SA-105	36314
2" 150 RF THRD 2" FLANGE	SA-105	76800
2" 300 RF THRD 1 1/2" FLANGE	SA-105	AZ5
2" 150 RF BLIND FLANGE	SA-105	72673
2" SCH 80 90 DEG WELD ELLS	SA234-WPB	02100015
2" SCH 80 WELD TEE	SA234-WPB	0K0957
2" FS THRD UNIONS 3000	SA-105	JA
2" FS THRD 90 DEG ELLS 2000	SA-105	55577
2" FS THRD 45 DEG ELLS 2000	SA-105	55485
2" FS THRD TEE 2000	SA-105	55182
2" FS THREADED COLLAR 2M	SA-105	GWR, 1464

FITTINGS

DESCRIPTION:	GRADE:	HEAT
1 1/2" 300 SCH 80 RFWN FLANGE	SA-105	167AX
1 1/2" FS THRD 45 DEG ELLS 2000	SA-105	55369, 55270
1 1/2" FS THRD 90 DEG ELLS 2000	SA-105	55379, 55500
1 1/2" FS THRD UNIONS 3000	SA-105	O3
1 1/2" FS THRD TEES 2000	SA-105	55433, 38308
1 1/2" FS THRD CROSS 2000	SA-105	38184
1 1/2" X 1" TBE SWAGE	SA-105	W9973, WDJ-PH
1" FS THREAD-O-LETS 3000	SA-105	55558, 55241, 55537, 55486, 55558, FAUO
1" FS ELBOW-O-LETS 3000	SA-105	55323, 55466
1" FS THRD 45 DEG ELLS 2000	SA-105	D87
1" FS THRD 90 DEG ELLS 2000	SA-105	55438, 55576
1" FS THRD UNIONS 3000	SA-105	ALT
1" FS THRD TEES 2000	SA-105	55598, 55573, 55500
1" FS THRD FULL COLLARS 3000	SA-105	5603
1" X 3/4" XS TBE SWAGE	SA234-WPB	TUC
1" X 1/4" XH SWAGE TBE	SA234-WPB	K229
1" X 1/2" XH SWAGE TBE	SA234-WPB	WXW
3/4" FS THREAD-O-LETS 3000	SA-105	55464
3/4" FS THRD 45 DEG ELL 2000	SA-105	55315



Jiro Compression Ltd.
9000 Series Booster Compressor
UNIT # 90229 ENCANA

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Jiro 3/4" X 1/2" XS SWAGE TBE	SA234-WPB	WO145, VHE
1/2" FS THREAD-O-LETS 3000	SA-105	55523
1/2" FS ELBOW-O-LETS 3000	SA-105	55323
1/2" FS THRD TEES 2000	SA-105	38405
1/2" FS THRD CROSS 2000	SA-105	55308
1/4" FS THRD TEE 2000	SA-105	55519
1/4" FS THRD 90 DEG ELL 3000	SA-105	55317
1/4" X 1/8" XS SWAGE TBE	SA234-WPB	UJJ
PIPE:		
4" SCH 80 SMLS PIPE	SA-106B	4Z-80
4" SCH 40 SMLS PIPE	SA-106B	4N-40, 4P-40
3" SCH 40 SMLS PIPE	SA-106B	3BU-40, 3BR-40
2" SCH 80 SMLS PIPE	SA-106B	2AN-80, 07490-80
1 1/2" SCH 80 SMLS PIPE	SA-106B	1.5S-80, 1.5R-80
1" SCH 80 SMLS PIPE	SA-106B	1Z-80
TUBING:		
1/4" SS-T4-S-035	SA-213	452357
3/8" SS-T6-S-035	SA-213	420262
1/2" SS-T8-S-035	SA-213	454820



Jiro Compression Ltd.
9000 Series Booster Compressor
UNIT # 90229 ENCANA

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

480866

Form U-1A

1. Manufactured and certified by **PENFABCO LTD. 5720 - 103A STREET EDMONTON, ALBERTA, CANADA T6H 2J5**
(Name and address of Manufacturer)
Manufactured for **Jiro Compression Ltd, P.O. Box 1450 Stettler, Alberta T0C 2L0**
(Name and address of Purchaser)
2. Location of Installation
3. Type **Vertical** (Horiz. or vert. tank) PE 7676 (Mfr's serial No.) H 3189.213 (CRN) PE 2614 Rev. 5 (Drawing No.) N/A 2001 (Nat'l. Bd. No.) (Year Built)
4. 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 98 (Year)
5. Addenda (Date) N/A Code Case Nos. N/A Special Service per UG-120 (d)
6. Shell: SA - 106 B .375" .0625" 23.26" 4' 0" s/s Length (overall) (ft. & in.)
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. ID (ft. & in.)
7. Seams: Smls N/A 100% 1150 1Hr. Type 1 UW 11(a) 5(b) 1
Long. (Welded, Dbl., Sngl., Lap, Butt) RT (Spot or Full) Eff. (%) H.T. Temp. (°F.) Time (hr.) Girth (Welded, Dbl., Sngl., Lap, Butt) RT (Spot, Partial or Full) No. of Courses
8. Heads: (a) Mat'l. SA - 516 - 70N (Spec. No., Grade) (b) Mat'l. SA - 516 - 70N (Spec. No., Grade)
Location (Top, Bottom, Ends) Minimum Thickness Corrosion Allowance Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)
(a) Top .3125" .0625" N/A N/A 2:1 N/A N/A N/A Concave
(b) Bottom .3215" .0625" N/A N/A 2:1 N/A N/A N/A Concave
If removable, bolts used (describe other fastenings) None

9. MAWP 275 psi at max. temp. (Mat'l., Spec. No., Gr., Size, No.) 100
Min. design metal temp. - 20 °F at 275 psi. Hydro., Pneu., or Comb. test pressure 413 psi.

Purpose (Inlet, Outlet, Drain)	No.	Diam or Size	Type	Material	Nom. Thickness	Reinforcement Material	How Attached	Location
Inlet	1	4" 150#	RFWN	SA - 105N	.531"	N/A	UW16.1(c)	Shell
Outlet	1	4" 150#	RFWN	SA - 105N	.531"	N/A	UW16.1(c)	Top Head
Drain	1	1"	Cplg	SA - 105N	6000#	N/A	UW16.1(c)	Bottom Head
LG's	2	3/4"	Cplg	SA - 105N	6000#	N/A	UW16.1(c)	Shell
Water Out	1	1"	Cplg	SA - 105N	6000#	N/A	UW16.1(c)	Shell
HLSD	1	2"	Cplg	SA - 105N	3000#	N/A	UW16.1(c)	Shell
LC	1	2"	Cplg	SA - 105N	3000#	N/A	UW16.1(c)	Shell
Inspections	2	2"	Cplg	SA - 105N	3000#	N/A	UW16.1(c)	Shell / Top Head

11. Supports: Skirt Yes Lugs 0 (No.) Legs 0 (No.) Other N/A (Describe) Attached Welded to Btm Head (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

Impact Tests Not Required Per UG - 20 (f) 1-5
Volume: 14.40 cu.ft. (41m3)
PSV installed in piping BY OTHERS

(Name of part, item number, Mfr's. name and identifying stamp)
2 Phase Separator
Manufactured to DWG PE 7672 Rev.0

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 ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of authorization No. 14,383 expires 12 - 28, 2001.
Date: Nov. 30 / 2001 Co. Name: PENFABCO LTD. (Manufacturer) Signed: *M. Bazin* (Representative)

CERTIFICATE OF SHOP INSPECTION
Vessel constructed by Penfabco Ltd. at Edmonton, Alberta I, the undersigned, holding a valid Commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Alberta and employed by Alberta Boilers Safety Association have inspected the component described in this Manufacturer's Data Report on Nov. 30, 2001, 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 certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer'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.
Date Nov. 30 / 2001 Signed: *H. Helly* (Authorized Inspector) Commissions: **AB95** Nat'l. Board (Incl. endorsements, State, Prov. and No.)



Jiro Compression Ltd.
9000 Series Booster Compressor
UNIT # 90229 ENCANA

20/17

		MANUFACTURED & CERTIFIED BY			
		PENFABCO LTD. EDMONTON		AB	
RT2	W HT	④480866			
MAWP	275	PSI AT	100	"F YEAR	2001
MEWT	-20	"F AT	275	PSI C.A.	.0625
SERIAL NO.	PE 7676	C.R.N.	H3189.213		



Jiro Compression Ltd.
9000 Series Booster Compressor
UNIT # 90229 ENCANA

21/17

FORM U-3 MANUFACTURER'S CERTIFICATE OF COMPLIANCE
COVERING PRESSURE VESSELS TO BE STAMPED WITH THE UM SYMBOL, SEE U-1(j)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by HADLEY'S FAB-WELD INC. 4202 SUNSET DR. MARION, NY, USA, 14505
(Name and address of Manufacturer)
2. Manufactured for NORTH AMERICAN FILTER CORPORATION, 200 WESTSHORE BLVD. NEWARK, NY, USA, 14513
(Name and address of Purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type : VERT. FILTER HOUSING 2.14 CU. FT. 461-UM THRU 465-UM
(Horiz., vert., or sphere) (Tank, separator, etc.) (Capacity) (Mfg's serial No.)
P-0368.2 12831 REV.0 2002
(CRN) (Drawing No.) (Year built)
5. ASME Code, Section VIII, Div. 1 2001.2001 465-UM
(Edition and Addenda (date)) (Code Case No.)

6. Shell		(a) No. of course(s) :		1		(b) Overall length (ft & in.) :		2'6"									
Course(s)			Material		Thickness		Long. joint (Cat. A)			Circum. joint (Cat. A, B & C)			Heat Treatment				
No.	Diam. in	Length (ft. & in.)	Spec. Grade or type	Nom.	Corr.	Type	Full	Spot	None	Eff.	Type	Full	Spot	None	Eff.	Temp.	Time
1	10.75"	29.75"	SA106 GRB/S	0.365"	0.00"	S	NONE			0.85	S	NONE			0.85	-	-

7. Heads (a) SA234 WPB (b) SA516 GR70
(Mat'l Spec. No., Grade or Type) (H.T. - Time & Temp.) (Mat'l Spec. No., Grade or Type) (H.T. - Time & Temp.)

	Location(Top Bottom, ends	Thickness		Radius		Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full	Spot
(a)	BOTTOM	0.365"	0.000"	-	-	2:1	-	-	-	-	YES	-	-	-
(b)	TOP	0.365"	0.000"	-	-	2:1	-	-	-	-	YES	-	-	-

If removable, bolts used (describe other fastening) : SA325 TYPE 1, 0.625" DIA., 4 BOLTS
(Mat'l Spec. No., Grade, Size, No.)

8. Type of jacket Jacket closure
(Describe as open or closed, etc.)

If bar, give dimensions, if bolted describe or sketch

9. MAWP 175 psi at max. temp. 450 °F Min. design metal temp -20 °F at 175 psi.
(internal) (external) (internal) (external)

10. Impact test NO, EXEMPT PER UG-20(f) at test temperature of 0 °F
(Indicate yes or no and the component(s) impact tested)

11. Hydro., pneu., or comb. test press 228 Proof test

12. Nozzles, inspection, and safety valve openings :

Purpose (inlet, outlet, drain, etc.)	No.	Diameter or size	Flange Type	Material		Nozzle thickness		Reinforcement Material	How attached		Location (Insp. open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET/OUTLET	2	3"	-	SA106	-	0.216"	0.000"	-	JW-16.1(g)	-	-
VENT/DRAIN	2	3/4"	-	SA105	-	0.1625"	0.000"	-	JW-16.2(L)	-	-
PRESSURE TAP	2	1/4"	-	SA105	-	0.100"	0.000"	-	JW-16(L)	-	-

13. Supports - Skirt NO Lugs - Legs - Others - Attached -
(Yes or no) (No.) (No.) (Describe) (Where and how)

14. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report : (List the name of part, item number, mfg's name and identifying number)

TUBE TURNS TECHNOLOGIES 10" CL150 T-BOLT CLOSURE
SER# 48453, 48452, 48461, 48462, 48463

15. Remarks : PRESSURE RELIEF DEVICE SUPPLIED BY OTHERS PER UG-125(a)
HYDROSTATICALLY TESTED IN THE VERTICAL POSITION

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 ASME Code for Pressure Vessels, Section VIII, Division 1.
UM Certificate of Authorization No. 30.623 Expires OCT. 21, 2002
Date 9/18/02 Name HADLEY'S FAB-WELD INC. Signed Chris Wall
(Manufacturer) (Representative)



Jiro Compression Ltd.
9000 Series Booster Compressor
UNIT # 90229 ENCANA

ttt-8007-001 cust 4734-00

22/17

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Tube Turns Technologies, Inc., 2612 Howard Street, Louisville, KY 40211
(Name and address of Manufacturer)
2. Manufactured for North American Filter Corporation, P.O. Box 30, 200 Westshore Blvd., Newark, NY 14513
(Name and address of Purchaser)
3. Location of installation Unknown
4. Type: 10" CL150 T-Bolt Closure 48450 thru 48464 OH6500.52 N/A 99.750-C93 R12 Tube Turns Tech. 2001
(Description of vessel part (shell, two-piece head, tube bundle)) (MB's serial No.) (CRN) (Nat'l. Bd. No.) (Drawing No.) (Drawing prepared by) (Year built)
5. ASME Code, Section VIII, Div. 1 1998 00 Addenda N/A N/A
(Edition and Addenda (date)) (Code Case No.) (Special Service per UG-120(d))
6. Shell (a) No. of course(s): One (b) Overall length (ft & in.): 2.125"

Course(s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (CAT. A, B & C)			Heat Treatment	
No.	Diameter, in.	Length, ft. & in.	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time	
One	10.750" OD	2.125"	SA516 Grade 70	.365"	0.0"	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Heads: (a) SA516 Grade 70 (b) N/A
(Mat'l Spec No., Grade or Type) H.T. - Time & Temp. (Mat'l Spec No., Grade or Type) H.T. - Time & Temp.

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemi-spherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	Top	.438"	0.0"	N/A	N/A	2:1	N/A	N/A	N/A	X	X	S	N/A	N/A
(b)														

- If removable, bolts used (describe other fastening) SA325 Type 1 .625" Diameter 4 Bolts
(Mat'l Spec No., Grade, Size No.)
8. MAWP 245 14.7 psi at max. temp. 450 450 *F. Min. design metal temp. -20 *F at 245/FV psi.
(internal) (external) (internal) (external)
9. Impact test No Exempted from testing by UCS-66(a) and UG-84(e)(2) at test temperature of N/A *F
(Indicate yes or no and the component(s) impact tested)
10. Hydro., pneu., or comb. test press. N/A Proof Test N/A

11. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	

12. Supports: Skirt N/A Lugs N/A Legs N/A Others N/A Attached N/A
(Yes or No) (No.) (Describe) (Where and How)
13. Remarks: The use of an appropriate O-Ring Gasket is the responsibility of the user. The closure is furnished with a Buna-N O-ring which has a maximum Temperature Rating of 250 *F. The Maximum Metal Design Temperature is 450 *F.

The closure described in this report was designed by Tube Turns Technologies, Inc

Materials: Hub: SA516 Grade 70 Head: SA516 Grade 70 (EC01WE -15)
Hub Nut Mount: SA106 Grade B Head Bolt Lugs: SA105
Tapped Swing Nuts: SA193 Grade B7 Bolts: SA325 Type 1

CERTIFICATE OF SHOP/FIELD COMPLIANCE	
We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.	
"U" Certificate of Authorization No. <u>4936</u> Expires <u>April 28, 2002</u>	
Date <u>July 24, 2001</u> Name <u>Tube Turns Technologies, Inc.</u> Signed <u>[Signature]</u>	(Manufacturer) (Representative)
CERTIFICATE OF SHOP/FIELD INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of <u>Kentucky</u> and employed by <u>The Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT</u> have inspected the pressure vessel part described in this Manufacturers' Data Report on <u>7-24</u> , 2001 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel part described in this Manufacturer'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.	
Date <u>7-24</u> , 20 <u>01</u> Signed <u>[Signature]</u> Commissions <u>16593</u>	(Authorized Inspector) (Nat'l Bd. Incl. endorsements, State, Province and No.)

CV prod 4797 7/24/01



BOILERS AND PRESSURE VESSELS
REPAIR AND ALTERATION

AB-40 (Side A) 01/07

REPORT

(A) #: N/A

OWNER EQUIP NO.: _____

REPAIR ☐

and/or

ALTERATION ☒

Partial ☐ Final ☐

1. Name and Address of Organization doing Repair/Alteration Jiro Compression Ltd. 5221-46 St. Stettler, AB T0C-2L0

AQP No. & Expiry Date (1313) September 22, 2003

Location of Installation Portable

2. Name of Owner Pan Canadian Resources Ltd.

Address P.O. Box 2850 Stn. M Calgary, AB T2P 2S5

3. Boiler/Pressure Vessel Description 10" Filter Housing CRN P-0368.2

Manufacturer's Name Hadley's Fab Weld Inc. Serial No. 465-UM

4. Design Conditions:

a) Vessel/Shellside/Boiler: Max Allowable Working Press. 175 PSI Min./Max Design Temp -20 F / 450 F

b) Jacket/Tubeside: Max Allowable Working Press. _____ Min./Max Design Temp. /

5. Description of defects (location and types of deterioration that resulted in the repair/alteration). _____

6. ASME Code Edition and Addenda used for work: ASME Sect. VIII Year 2001 Addenda 2001

7. Repair/Alter. Description of Work. Step by step description of repair/alteration method, attach additional sheets as needed.

Note 1: Repair/Alteration Procedure to be accepted by Alberta Boilers Safety Association SCO prior to start of work.

1. Remove threaded piping on inlet/outlet of filter

2. Remove existing 1/4" SA105 3M Half Coupling, bevel and fill 1/4" OD holes

3. X-Ray and visual examination of fills

4. Install new 1/4" SA105 3M Half Couplings approx. 1" closer to filter housing

5. Weld 4" 150 RFSO SA105 flanges in place

6. Hydro test to 228 PSI

8. Material - List any material used in repair/alteration and any base material welded on:

Item	Mat'l Spec.	Thick/Sch	Diam	Item	Mat'l Spec.	Thick/Sch	Diam
Shell/Drum				Heads/ Ends			
Tubesheet				Tubes			
Nozzles	SA105	3M	1/4"	Flanges/Fittings	SA105	Class 150	4"

9. Welding Procedure - Alberta Registration Number WP- 1803.2 WPS Numbers used: Seal Weld

10. Heat Treatment: Bake Out (Temp./Time) _____ / _____ hr Preheat Temp _____ Post Weld HT (Temp./Time) _____ / _____ hr

11. Non Destructive Examination (Specify type and extent).

Radiography: ASME Sec. VIII Div. I UW51

Conduct visual examination

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.



(A) #: N/A

OWNER EQUIP. NO. _____

12. **Pressure Test**
- | | Vessel/Boiler/Shellside | Tubeside/Jacket |
|----------------|-------------------------|-----------------|
| a) Hydrostatic | <u>228 PSI</u> | _____ |
| b) Other Test | _____ | _____ |

13. **Welded Replacement Parts:** Attached are Manufacturer's Partial Data Reports or Repair/Alteration Reports properly identified and signed by Authorized Inspectors for the following items of this report: (Welded parts supplied by others).
- _____

14. **Responsibility Owner/Client.** Identify below items that the owner/client has assumed responsibility for. **Note (2)**

- a) Design Submission _____ b) Repair/Alteration Procedure: YES c) Material Control YES
d) Welding Control YES e) NDE YES f) Heat Treatment _____ g) Pressure Test YES

Note 2: Owner/client must have a valid Alberta Quality Program (AQP), for the scope of work, to assume responsibility for function c, d, e, f, or g.

15. **REMARKS** Approval for alterations of vessels with model # 51030-M10H/SPL and CRN # P-0368.2 has been approved by Todd Loran AB # 135A. Original signed copy of this alteration form is on file.
- _____
- _____

16.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Report are correct and that all design, material, construction and workmanship on this repair/alteration conform to the requirements of the Alberta Safety Codes Act and Regulations.

- a) For all items except for items identified in 14:

Jiro Compression Ltd.
(Repair/Alteration Organization Name)
AQP 1313 September 22, 2003
(AQP Number & Expiry Date)

(Signature & Date)
Murray Tornack
(Print Name)

- b) For items identified in 14 only:

(Owner/Client Organization Name)

(AQP Number & Expiry Date)

(Signature & Date)

(Print Name)

17. **DATE WORK WAS COMPLETED:** June 13, 2002

18.

CERTIFICATE OF INSPECTION

I have inspected the repairs and/or alterations described in this report. To the best of my knowledge this work has been done in accordance with the Safety Codes Act and Regulations.

- a) Owner-User Inspection Certification (Field Only)**
(Required when Owner-User Inspects the work under their ABSA Authorized Owner-User Quality Program).

Owner-User Inspector Signature & Date

Print Name

Owner-User AQP# & Expiry Date

- b) ABSA Safety Codes Officer Certification**
(when work is inspected by ABSA).

ABSA SCO Signature & Date

Print Name

Report Received by ABSA SCO _____ Date _____



Jiro Compression Ltd.
9000 Series Booster Compressor
UNIT # 90229 ENCANA

25/17

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

Form U-1-A

1. Manufactured and certified by **PENFABCO LTD. 5720 - 103A STREET EDMONTON, ALBERTA, CANADA T6H 2J5**
(Name and address of Manufacturer)
Manufactured for **Jiro Compression Ltd. P.O. Box 1450 Stettler, Alberta T0C 2L0**
(Name and address of Purchaser)
3. Location of Installation **Stock Item**
(Name and address)
4. Type **Vertical** **PE 7270** **L 9951.2** **C - 24 - 001 Rev. 2** **N/A** **2001**
(Horiz. or vert. tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (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 **98**
(Year)

6. Shell: **SA - 106 B** **N/A** **N/A** **23.26"** **50" 5/8**
Addenda (Date) Code Case Nos. Special Service per UG-120 (d) Diam. ID (ft. & in.) Length (overall) (ft. & in.)
7. Seams: **Sms** **N/A** **100%** **1150** **1Hr.** **Type 1** **UW11(a)5(b)** **1**
Long (Welded, Dbl., Sngl., Lap, Butt) RT (Spot or Full) Eff. (%) H.T. Temp. (°F.) Time (hr.) Girth (Welded, Dbl., Sngl., Lap, Butt) RT (Spot, Partial or Full) No. of Courses
8. Heads: (a) Mat'l. **SA - 516 - 70N** **SA - 516 - 70N**
(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 Head	2.250"	.0625"	N/A	N/A	N/A	N/A	N/A	23.25"	N/A
(b)	Btm. Head	.270"	.0625"	N/A	N/A	N/A	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings)

16 - 7/8" x 3 1/2" SA - 193 - B7 Studs

9. MAWP **300** psi at max. temp. **250** °F
(Mat'l., Spec. No., Gr., Size, No.)
Min. design metal temp. **-20** °F at **300** psi. **Hydro.**, **Pneu.**, or Comb. test pressure **390** psi.

Purpose (Inlet, Outlet, Drain)	No.	Diam or Size	Type	Material	Nom. Thickness	Reinforcement Material	How Attached	Location
PI	1	1/2"	Cplg	SA - 105N	6000#	N/A	UW16.1 (c)	Shell
Oil Outlet	1	1 1/2"	Cplg	SA - 105N	3000#	N/A	UW16.1 (c)	Shell
LG	1	1"	Cplg	SA - 105N	3000#	N/A	UW16.1 (c)	Shell
Prelube	1	1"	Cplg	SA - 105N	3000#	N/A	UW16.1 (c)	Shell
Drain	1	1"	Cplg	SA - 105N	3000#	N/A	UW16.1 (c)	Shell
Fill	1	1 1/2"	Cplg	SA - 105N	3000#	N/A	UW16.1 (c)	Btm. Head
Scavenger	1	3/4"	Cplg	SA - 105N	3000#	N/A	UW16.1 (c)	Shell
Insp.	1	24" MW	Plate	SA - 516-70N	2.250"	N/A	UW13.2(b)	Top Head

11. Supports: Skirt **Yes** **0** Lugs **0** Legs **0** Other **N/A** Attached **Welded to Btm. Head**
(yes or no) (No.) (No.) (No.) (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:

(Name of part, item number, Mfr's. name and identifying stamp)

Impact Tests - Exempt Per UG-20(f), P.S.V. installed in piping BY OTHERS

Volume: 8.07 cu ft. (.23m³)

Manufactured To DWG PE 6100 Rev. 1

Continued on U-4 Supplementary Sheet

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 ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of authorization No. **14,383**
expires **12-28**, 2001.

Date: Aug. 30 /2001

Co. Name:

PENFABCO LTD.
(Manufacturer)

Signed:

M. Brown
(Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by **Penfabco Ltd.**

at **Edmonton, Alberta**

holding a valid Commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of **Alberta** and employed by **Alberta Boilers Safety Association** have inspected the component described in this Manufacturer's Data Report on **Aug. 30**, 2001, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in

compliance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer'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.

Date **Aug. 30 /2001**

Signed

H. Bailey
(Authorized Inspector)

Commissions

AB95
Nat'l. Board (Incl. endorsements, State, Prov. and No.)



Jiro Compression Ltd.
9000 Series Booster Compressor
UNIT # 90229 ENCANA

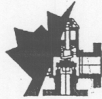
27/17

		MANUFACTURED & CERTIFIED BY			
		PENFABCO LTD. EDMONTON		AB	
RTD HY		④ 476751			
MAWP	300	PSI AT	250	"F YEAR	2001
MDWT	20	"F AT	300	PSI C.A.	.0625
SERIAL NO.	PE 7270	C.R.N.	L9951.2		



Jiro Compression Ltd.
9000 Series Booster Compressor
UNIT # 90229 ENCANA

28/17



MERCER VALVE CANADA

Jiro Compression
(Job # A090229-0)

PSV 1101
PO# 5007717

TEST REPORT - PSV

DATE July 16/02 WO# 401014 S/N 3996
MERCER - TYPE 812882111 SIZE 2" Mx2" FNPT
SET PRESSURE 150 Psi BP — COLD / DIFF SET —
TEMPERATURE 70 F° CAPACITY 1296 SCFM SPRING RANGE —
MAX TEMP. 400 F° MANUFACTURE DATE 02-01
RESET PRESSURE — NEW CAPACITY RATING —

PARTS REPLACED

OUT OF STOCK

INTO STOCK

SPRING NUMBER 05-011

NEW PART NUMBER —

FINAL SETTING DATA (1034 KPA)

SET PRESSURE: 150 Psi RESEAT PRESSURE: 132 Psi

SIMMER: 147 Psi LEAKAGE: @90% BPM

TEST MEDIA: Air CODE SECTION: UV BP TEST: 60 Psi

COMMENTS:

VALVE SERVICED BY: _____

VALVE TESTED BY: Ch. Ad

CUSTOMER APPROVAL: _____ (IF APPROPRIATE)

WITNESS: 02.07.17 Marty Masse 7310 (INDEPENDENT)

VALVES TESTED IN ACCORDANCE WITH A.P.I. STANDARD 526 & 527

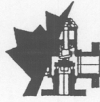
PCR 021062

REVISION: 0 DATE: 12/12/00 QF-006



Jiro Compression Ltd.
9000 Series Booster Compressor
UNIT # 90229 ENCANA

29/17



MERCER VALVE CANADA

Jiro Compression
(Job# A09029-0)

PO# 5007717

PSV 1501

TEST REPORT - PSV

DATE July 16/02 WO# 401014 S/N 89880
MERCER - TYPE 91396/111813 SIZE 1 1/2" 300RF x 2 1/2" 150RF
SET PRESSURE 300 Psi BP — COLD / DIFF SET —
TEMPERATURE 70 F° CAPACITY 2441 SCFM SPRING RANGE —
MAX TEMP. 400 F° MANUFACTURE DATE 06-00
RESET PRESSURE — NEW CAPACITY RATING —

PARTS REPLACED

OUT OF STOCK

INTO STOCK

SPRING NUMBER 05-013

NEW PART NUMBER —

FINAL SETTING DATA (2068 KPA)

SET PRESSURE: 300 Psi RESEAT PRESSURE: 279 Psi

SIMMER: 296 Psi LEAKAGE @ 90% BPM 0

TEST MEDIA: Air CODE SECTION: UV BP TEST: 60 Psi

COMMENTS:

VALVE SERVICED BY: _____

VALVE TESTED BY: Ch. Ad

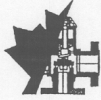
CUSTOMER APPROVAL: _____ (IF APPROPRIATE)

WITNESS: Marty Massie 7310 (INDEPENDENT)

VALVES TESTED IN ACCORDANCE WITH A.P.I. STANDARD 526 & 527

PCR
021153

REVISION: 0 DATE: 12/12/00 QF-006



MERCER VALVE CANADA

Jiro Compression
(Job # A090229-0)

PO# 5007717

PSV1601

TEST REPORT - PSV

DATE July 16/02 WO# 401014 S/N 9413
MERCER - TYPE 9117D51V07E1 SIZE 1"MX1"FNPT
SET PRESSURE 125 Psi BP — COLD / DIFF SET —
TEMPERATURE 70 F ° CAPACITY 279 scfm SPRING RANGE —
MAX TEMP. 400 F ° MANUFACTURES DATE 03-01
RESET PRESSURE — NEW CAPACITY RATING —

PARTS REPLACED

OUT OF STOCK

INTO STOCK

SPRING NUMBER 05-007

NEW PART NUMBER —

FINAL SETTING DATA (862 KPA)

SET PRESSURE: 125 Psi RESEAT PRESSURE: 98 Psi

SIMMER: 121 Psi LEAKAGE: @90% BPM

TEST MEDIA: Air CODE SECTION: UV BP TEST: 60 Psi

COMMENTS:

VALVE SERVICED BY: —

VALVE TESTED BY: Ch. Adh

CUSTOMER APPROVAL: — (IF APPROPRIATE)

WITNESS: 02-07-17 Marty Massie 7310 (INDEPENDENT)

VALVES TESTED IN ACCORDANCE WITH A.P.I. STANDARD 526 & 527

PCR021145