

COMPONENTS**SUCTION SCRUBBER:**

V-110 PROTECTED BY PSV 1101
MAKE: ENERFLEX CALGARY
RT-1 W HT YEAR BUILT: 2003
MAWP: 285 PSI @ 100 DEG F
MDMT: -20 DEG F @ 285 PSI
CORROSION ALLOWANCE: 0.125"
CRN NO: R0348.213
SERIAL NO: 030314-14
(A) 497318

INLET GAS FILTER:

V-140 PROTECTED BY PSV 1101
MAKE: NAFCO
MODEL: 41030-M08D, PART NO: 12756
ELEMENT: 10100A0104
GASKET: GBBN00207
MAWP: 180 PSI @ 450 DEG F
MDMT: -20 DEG F @ 180 PSI
CRN NO: L7900.2
SERIAL NO: 542-UM

**OIL COALESCING
SEPARATOR:**

V-150 PROTECTED BY PSV 1501
MAKE: ENERFLEX CALGARY
RT-1 W HT YEAR BUILT: 2003
MAWP: 350 PSI @ 250 DEG F
MDMT: -20 DEG F @ 350 PSI
CORROSION ALLOWANCE: 0.125"
CRN NO: P9596.213
SERIAL NO: 030313-18
(A) 497332

FUEL GAS SCRUBBER:

V-160 PROTECTED BY PSV 1601
MAKE: ENERFLEX STETTLER
RT-2 W YEAR BUILT: 2003
MAWP: 500 PSI @ 350 DEG F
CORROSION ALLOWANCE: 0.125
CRN NO: OH5132.231
SERIAL NO: 4DP-518

FLOAT CHAMBER:

V-170 PROTECTED BY PSV 1501
MAKE: LOTECH
RT-1 W HT YEAR BUILT: 2001
MAWP: 720 PSI @ 500 DEG F
CORROSION ALLOWANCE: 0.125
CRN NO: OH4715.231
SERIAL NO: 4720.191

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COMPONENTS CONTINUED

SCREW COMPRESSOR:

S-210

MAKE: GARDNER DENVER
MODEL NO: SSHG99B
SERIAL NO: S151938

NATURAL GAS ENGINE:

M-310

MAKE: CATERPILLAR
MODEL NO: 3304NA
ARRANGEMENT NO: 102-9431
SERIAL NO: N4F00464
C/W EM-3101 4" CRITICAL
MODEL NO: JB-4-SI

NATURAL GAS HEATERS:

H-410 / H-420

MAKE: CIS CAN
SIZE: WX12X24
SERIAL NO: 224824, 224832

OIL / GAS AFTER COOLER:

C-510 PROTECTED BY PSV 1501

MAKE: API AIRTECH
YEAR BUILT: MARCH 2003
PART NO: 699-0324
CUSTOMER NO: 648
MAWP: 350 PSI @ 250 DEG F
CRN NO: OH4584.213
SERIAL NO: J16181

ENGINE WATER JACKET:

C-520

MAKE: GLOBAL HEAT TRANSFER
YEAR BUILT: FEB 02
MODEL NO: GHT 7400
SERIAL NO: 248

PUMP:

P-610

COMES WITH GARDNER DENVER SCREW

OIL FILTER:

F-810A/B

MAKE: DONALDSON
MODEL NO: HMK25
PART NO: P166984
FILTER NO: P165569

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COMPONENTS CONTINUED

CONICAL STRAINER:

F-820

MAKE: ALBERTA STRAINER
MODEL NO: 3" 600#
TYPE: STAINLESS STEEL TYPE 40 MESH

FUEL GAS FILTER:

F-830 FUEL FILTER

MAKE: PARKER FILTRATION
PART NO: HN4S-6CN
MAWP: 500 PSI @ 175 DEG F
REPLACEMENT ELEMENT: 6C15-060
CRN NO: OE5834.2

COMPONENTS CONTINUED

PSV'S:

PSV-1101 PRESSURE SAFETY VALVE
PROTECTING VESSELS V-110, AND V-140
MAKE: MERCER
TYPE: 8117151V09G11S
SET PRESSURE: 150 PSI
CAPACITY: 557 SCFM
DATE: 09-02
CRN NO: 0G2606.5C
SERIAL NO: A65774

PSV-1501 PRESSURE SAFETY VALVE
PROTECTING VESSEL V-150 AND COOLER
C-510
MAKE: MERCER
TYPE: 8117151V11G11S
SET PRESSURE: 300 PSI
CAPACITY: 1069 SCFM
DATE: 03-03
CRN NO: 0G2606.5C
SERIAL NO: A84021

PSV-1601 PRESSURE SAFETY VALVE
PROTECTING VESSEL V-160
MAKE: MERCER
TYPE: 9117D51V06E1
SET PRESSURE: 100 PSI
CAPACITY: 228 SCFM
DATE: 06-03
CRN NO: 0G2606.5C
SERIAL NO: A92757

COMPONENTS CONTINUED**CONTROL VALVES:****LCV-1101 LEVEL CONTROL VALVE**

MAKE: FISHER
MODEL NO: D2 FLO PRO
LOT/ DATE: 1021303

PCV-1101 PRESSURE CONTROL VALVE

MAKE: FISHER
ACTUATOR TYPE: 1052
ACTUATOR SIZE: 20
BODY TYPE: V-200
BODY SIZE: 2"
SERIAL NO: 16623288G

PCV-1102 PRESSURE CONTROL VALVE

MAKE: FISHER
MODEL NO: 627-556 c/w 1/2" orifice
SPRING RANGE: 5-20 PSI

PCV-1601 PRESSURE CONTROL VALVE

MAKE: FISHER
MODEL NO: 627-547 c/w 3/16" orifice
SPRING RANGE: 70-150 PSI

PCV-1602 / PCV-1603 PRESSURE CONTROL VALVES

MAKE: FISHER
MODEL NO: 67 CFR-362
SPRING RANGE: 0-35 PSI

FSDV-3101 FUEL SHUT DOWN VALVE

MAKE: MURPHY
MODEL NO: M5081-C

PCV-3101 PRESSURE CONTROL VALVE

MAKE: FISHER
MODEL NO: 627-496 c/w 1/2" orifice
SPRING RANGE: 5-20 PSI

PCV-3102 PRESSURE CONTROL VALVE

MAKE: FISHER
MODEL NO: Y600A1331 c/w 9/16" orifice
RANGE: 4-8 INCHES WATER
CAT PART NO: 2W6022
SERIAL NO: 16069515

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COMPONENTS CONTINUED

CONTROL VALVES:

PCV-3103 / PCV-3104 PRESSURE CONTROL VALVES

MAKE: FISHER
MODEL NO: 627-557 c/w 1/2" orifice
SPRING RANGE: 15-40 PSI

PCV-4101 / PCV-4201 PRESSURE CONTROL VALVES

MAKE: FISHER
MODEL NO: 912/115

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: H17CD5
RANGE SPEC: G LP 1/2 PSI

PCV-5101 BACK PRESSURE CONTROL VALVE

MAKE: KIMRAY
MODEL NO: 230 SGT-BP-D
SERIAL NO: 2031290025

TCV-2101 THERMOSTATIC VALVE

MAKE: AMOT
MODEL NO: 1 1/2BHCT17001
SET @ 170 DEG F
SERIAL NO: G8941

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COMPONENTS CONTINUED

CONTROLLERS:

LC-1101 LEVEL CONTROLLER

MAKE: FISHER
MODEL NO: L2 SNAP
SERIAL NO: 1602303

PC-1101 PRESSURE CONTROLLER

MAKE: FISHER
MODEL NO: 4150KR
SERIAL NO: 16569027G

TC-5101 / TC-5201 TEMPERATURE CONTROLLERS

MAKE: KIMRAY
MODEL NO: HT-12

COMPONENTS CONTINUED

ELECTRICAL INST:

HS-1101 HAND SWITCH (ESD)

MAKE: TELEMECANIQUE
MODEL NO: XALB174H29H7

DPSLL-2101 DIFFERENTIAL PRESSURE SWITCH

MAKE: CUSTOM CONTROL SENSOR
MODEL NO: 604DJ2
SERIAL NO: 232632-0603-8
SET PRESSURE: 10 PSI FALLING

PSLL-2101 PRESSURE SWITCH LOW SUCTION

MAKE: SOR
MODEL NO: 56AG-EF316-M4-C1A-NC
SERIAL NO: 030402246
SET @ 0 PSI FALLING

PSHH-2101 PRESSURE SWITCH HIGH SUCTION

MAKE: CUSTOM CONTROL SENSOR
MODEL NO: 6900GZE18
SERIAL NO: 233385-0803-7
SET @ 50 PSI RISING

PSHH-2102 PRESSURE SWITCH HIGH DISCHARGE

MAKE: CUSTOM CONTROL SENSOR
MODEL NO: 6900GZE18
SERIAL NO: 233385-0303-4
SET @ 285 PSI RISING

LSHH-1101 HIGH LEVEL SHUTDOWN

MAKE: MURPHY
MODEL NO: L1200

LSLL-1501 LOW LEVEL SHUTDOWN

MAKE: MURPHY
MODEL NO: L1200

COMPONENTS CONTINUED**ELECTRICAL INST CONT:****LISLL-3101 LEVEL INDICATOR ENGINE OIL**MAKE: KENCO
MODEL NO: LCE-12**TE-2101 COMPRESSOR OIL
TEMPERATURE SENSOR**MAKE: ALTRONIC
TYPE: PYROLEAD
PART NO: 151000157 4'**TE-2102 DISCHARGE
TEMPERATURE SENSOR**MAKE: ALTRONIC
TYPE: PYROLEAD
PART NO: 151000157 4'**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: 151000156 2'**VSHH-3101 VIBRATION SWITCH**MAKE: MURPHY
MODEL NO: VS-2**LISLL-5201 LEVEL INDICATOR ENGINE
COOLANT**MAKE: MURPHY SWICHGAGE ®
MODEL NO: EL150K1

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COMPONENTS CONTINUED

PANEL ELECTRICAL:

ALTRONIC ANNUNCIATOR

PART NO: DD-20NT-C

SERIAL NO: 3149

ALTRONIC ANNUNCIATOR POWER SUPPLY

PART NO: 690101.3

SERIAL NO: 4103

ST-3101 ALTRONIC DIGITAL OVERSPEED

MODEL NO: DO-3300

SERIAL NO: 5118 J

SI-3101 ALTRONIC HOURMETER / TACHOMETER

MODEL NO: DTH-3200

ALTRONIC 6 POINT PYROMETER WITH ALARM

MODEL NO: DPYH-4396U

SERIAL NO: 2835

ALTRONIC BARRIER

MODEL NO: 690-107

COMPONENTS CONTINUED**PANEL GAUGES:****PI-1102 SUCTION PRESSURE GAUGE**

MAKE: WIKA SS LF
SCALE: -30"HG - 100 PSI / -100 - 700KPA
SIZE: 1/2" LBM X 4" FACE

DPISHH-1501 COALESCER DIFFERENTIAL PRESSURE

MAKE: MIDWEST
SCALE: 0-30 PSID
MODEL: 120AA-00-0(CA)
SERIAL NO: 02031401
SET @ 20 PSI RISING

DPISHH-2101 COMPRESSOR OIL FILTER DIFFERENTIAL PRESSURE

MAKE: MIDWEST
SCALE: 0-30 PSID
MODEL: 120AA-00-0(CA)
SERIAL NO: 05030114
SET @ 15 PSI RISING

PI-2104 DISCHARGE PRESSURE GAUGE

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

PISLL-3103 ENGINE OIL PRESSURE

MAKE: MURPHY SWICHGAGE ®
MODEL NO: A25PEF-100
SCALE: 0-100 PSI / 0-700 KPA
PART NO: 05-70-4471
SET @ 30 PSI RISING

COMPONENTS CONTINUED

PRESSURE GAUGES:

PI-1101 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-400 PSI / 0-2800 KPA
SIZE: ½" BTM X 4" FACE

DPI-1401 DIFFERENTIAL PRESSURE INDICATOR

MAKE: MIDWEST
MODEL: 141AA-00-00
50 inches of water
SERIAL NO: 371889

PI-1601 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-200 PSI / 0-1400 KPA
SIZE: ¼" BTM X 2 ½" FACE

PI-1602 / PI-1603 PRESSURE INDICATORS

MAKE: WIKA SS LF
SCALE: 0-60 PSI / 0-420 KPA
SIZE: ¼" BTM X 2 ½" FACE

PI-3101 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-60 PSI / 0-420 KPA
SIZE: ¼" BTM X 2 ½" FACE

PI-3102 PRESSURE INDICATOR

MAKE: WIKA LF
SCALE: -30"HG-30 PSI / -100-420 KPA
SIZE: ¼" CBM X 2 ½" FACE

PI-5101 PRESSURE INDICATOR

MAKE: WIKA SS LF
SCALE: 0-300 PSI / 0-2100 KPA
SIZE: ¼" BTM X 2 ½" FACE

COMPONENTS CONTINUED**MISC:****UY-1101 3-WAY VALVE**

MAKE: AMOT
MODEL: 4057D025H2
TYPE: CP
SERIAL NO: K2779

LG-1101 LEVEL GAUGE

MAKE: 3/4" RED LINE SIGHT GLASS
C/W N7B STL SIGHT GLASS VALVES
CRN NO: OG2553.5C

FG-1501/ FG-1502 LEVEL GAUGES

MAKE: AC & R
MODEL NO: SG-04

LG-1501 LEVEL GAUGE

MAKE: PENBERTHY
MODEL NO: 1RM-7 STLNE
ASSEMBLY NO: 7G394-090

TI-2101 / TI-5101 TEMPERATURE INDICATORS

MAKE: TREND
RANGE: -40 - 70 DEG C / -40 - 160 DEG F
SIZE: 1/2" NPT X 3" FACE

CE-3101 CRANKCASE EVACUATION FILTER

MAKE: PARKER RACOR
MODEL NO: CCV4500
ELEMENT: CCV55248

I-3101 IGNITION

MAKE: ALTRONIC III
PART NO: 6I-2310
SERIAL NO: 76483

S-3101 STARTER

MAKE: TDI
MODEL NO: T30-P
PART NO: T312-60015-02R
SERIAL NO: 0305315

COMPONENTS CONTINUED

MISC:

SW-3101 START SWITCH

MAKE: INGERSOLL RAND

PART NO: SMB-618

T-710 ENGINE OIL DAY TANK

MAKE: ENERLFEX STETTNER

PART NO: OS-37

SIZE: 20 GALLON

LG-7101 LEVEL GAUGE

MAKE: 5/8" RED LINE SIGHT GLASS

C/W N7A SIGHT GLASS VALVE

CRN NO: OG2553.5C

MC-2101 COUPLING (BELL HOUSE MOUNT)

MAKE: ARCUSAFLEX

MODEL NO: AC-T26NNF2115251

COMPONENTS CONTINUED**VALVES:**

3" 300 RF FP FLG SS NUTRON BALL VALVE
SERIAL NO: 25245-004

3" 300 RF FLG SS WHEATLEY CHECK
VALVE SERIAL NO: VW 3906 18

2" 300 RF FLG SS WHEATLEY CHECK
VALVE SERIAL NO: VW 3864 40, VW 3424 39

2" THRD SS CROWN CHECK VALVE

2" STREAM FLO SS WAFER CHECK

1 ½" THRD MERIDIAN BALL VALVES 2000

1 ½" THRD WHEATLEY NACE CHECK

1 ½" FLANGED SFI CROWN NACE CHECK

1 ½" 300 FLG NAVCO SS CHECK VALVE
PART NO: CSR15R03A6

3" SENIOR FLEXONICS FLEX JOINT
CRN: OD2524.5234670189

2" SENIOR FLEXONICS FLEX JOINT
CRN: OD2524.5234670189

1 ½" SENIOR FLEXONICS FLEX JOINT
CRN: OD2524.5234670189

1" THRD MERIDIAN BALL VALVE 2000

1" THRD LOCKING MERIDIAN BALL VALVES
2000

1" THRD NACE CROWN CHECK VALVE

1" THRD ALTA Y-STRAINER

1" THRD JAG SPRING VALVE 2000

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COMPONENTS CONTINUED

VALVES CONT:

- 1/2" THRD ALTA Y-STRAINER
- 1/2" AGCO H7V1S44Q NEEDLE VALVES
- 1/2" THRD MERIDIAN BALL VALVES 2000
- 3/8" SWAGELOK SS-CHS6-1 CHECK VALVE
- 3/8" THRD MERIDIAN BALL VALVE 2000
- 3/8" GAS FLO BALL VALVE 600 WOG
- 1/4" THRD MERIDIAN BALL VALVES 2000
- 1/4" SWAGELOK SS-CHS4-1 CHECK VALVE
- 1/4" SWAGELOK SS-1VS4 VALVES
- 1/4" THRD PANAM MINI NEEDLE VALVES

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FITTINGS:

DESCRIPTION:	GRADE:	HEAT NO:
3" COMPANION FLANGE	SA516-70N	P1174
2" COMPANION FLANGE	SA516-70N	446769
3" 300 SCH 40 RFWN FLANGES	SA-105N	31846, 29374
3" 150 SCH 40 RFWN FLANGES	SA-105N	31816, 31842, 7A3
3" SCH 40 90 DEG WELD ELL	SA234-WPB	6643, 3A1564
3" SCH 40 45 DEG WELD ELL	SA234-WPB	6643, A373
3" SCH 40 WELD TEE	SA234-WPB	204A, 03D10133
3" X 2" SCH 40 X SCH 80 CONC RED	SA234-WPB	3B2367, 03C20109
3" X 2" SCH 40 X SCH 80 SWAGE	SA234-WPB	YDK
2 1/2" SCH 80 90 DEG WELD ELL	SA234-WPB	GB2
2 1/2" X 2" SCH 80 CONC RED	SA234-WPB	0Y245
2" 300 SCH 80 RFWN FLANGES	SA-105N	275AX, 31842
2" 300 RF THRD 2" FLANGES	SA-105N	73310
2" 150 SCH 80 RFWN FLANGES	SA-105N	31841, 16166
2" 300 RF BLIND FLANGE	SA-105N	75744
2" 150 RF BLIND FLANGE	SA-105N	31363
2" 150 RF HUB THRD 1"	SA-105N	76802
2" SCH 80 90 DEG WELD ELLS	SA234-WPB	1803, 03C00024 02G00018, 02N00012 02P00011, 2I4580 02M10195
2" SCH 80 WELD TEE	SA234-WPB	905
2" FS THRD UNIONS 3000	SA-105N	All
2" FS THRD 90 DEG ELLS 2000	SA-105N	E90
2" FS THRD 45 DEG ELLS 2000	SA-105N	908
2" FS THRD TEE 2000	SA-105N	YFI
2" X 1" XH SWAGE TBE	SA234-WPB	
1 1/2" 300 SCH 80 RFWN FLANGES	SA-105N	H170, 75740, 75740
1 1/2" 300 RF HUB THRD 1 1/2" FLANGES	SA-105N	69AZ
1 1/2" 300 RF SLIP ON FLANGES	SA-105N	82419, 75744, 80044
1 1/2" FS THREAD-O-LET 3000	SA-105N	55716
1 1/2" SCH 80 90 DEG ELLS	SA234-WPB	227A, 2J, GH25
1 1/2" SCH 80 WELD TEE	SA234-WPB	OF
1 1/2" FS THRD UNIONS 3000	SA-105N	892
1 1/2" FS THRD 90 DEG ELLS 2000	SA-105N	55379, G15
1 1/2" FS THRD 45 DEG ELLS 2000	SA-105N	6Z
1 1/2" FS THRD TEES 2000	SA-105N	Z44, 60Z
1 1/2" X 1" SCH 80 SWAGE BLE/TSE	SA234-WPB	K525
1 1/2" X 1 1/4" XH SWAGE TBE	SA234-WPB	70523

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FITTINGS CONTINUED:

DESCRIPTION:	GRADE:	HEAT NO:
1" FS THREAD-O-LETS 3000	SA-105N	55691, 55639, 692 55740, 567
1" FS ELBOW-O-LETS 3000	SA-105N	55552, 55741
1" FS THRD UNIONS 3000	SA-105N	03, KH, KF
1" FS THRD 90 DEG ELLS 2000	SA-105N	914, G85
1" FS THRD FULL COLLARS 3000	SA-105N	78704
1" FS THRD TEES 2000	SA-105N	ZR
1" FS THRD CROSS 2000	SA-105N	784
1" X 1/2" XH SWAGE TBE	SA234-WPB	XZL
1" X 1/4" XH SWAGE TBE	SA234-WPB	XUZ
3/4" FS THREAD-O-LETS 3000	SA-105N	8604
3/4" FS ELBOW-O-LETS 3000	SA-105N	8795
3/4" X 1/2" XH SWAGE TBE	SA234-WPB	K475
1/2" FS ELBOW-O-LETS 3000	SA-105N	55675
1/2" FS THREAD-O-LETS 3000	SA-105N	764
1/2" FS THRD CROSS 2000	SA-105N	890, T39
1/2" FS THRD COLLAR 3000	SA-105N	8888
3/8" FS THRD 90 DEG ELL 2000	SA-105N	G7
1/4" FS THRD TEES 2000	SA-105N	T73
1/4" FS THRD 90 2000	SA-105N	E62
1/4" X 1/8" XH SWAGE TBE	SA234-WPB	W0552
WELDED PIPE:		
3" SCH 40 SMLS PIPE	SA-106B	3CK-40, 3CJ-40
2 1/2" SCH 80 SMLS PIPE	SA-106B	2.5L-80
2" SCH 80 SMLS PIPE	SA-106B	2BO-80
1 1/2" SCH 80 SMLS PIPE	SA-106B	1.5AA-80, 1.5AB-80 1.5X-80
1" SCH 80 SMLS PIPE	SA-106B	1AAK-80

START UP PROCEDURE FOR 3500 GARDNER DENVER PORTABLE SERIES BOOSTER COMPRESSOR

1. Depressurize system by opening 1" ball valve located on the top of the 2" discharge line before it leaves the building, and then close. Open unloader valve on slide control.
2. Turn class "B" timer dial to 5 minutes, this allows the system to come up to temperature speed without being shut down by conditions (such as low engine oil pressure). Push the RESET button to clear all tripped sensors (00) will appear when system is clear.
3. Start engine with the yellow/orange handled start valve, located right side behind the panel.
4. Immediately after starting engine, it is important to open the suction control valve slightly. Put 3 or 4-psi inlet pressure on the unit. This will enable the oil to start flowing to lubricate the compressor.
5. Once temperatures start to rise, start loading up slide control, slowly load compressor by increasing inlet pressure and engine R.P.M. to the parameters that you desire.

Note: '01' will appear when all sensors are clear, and compressor is in normal running condition.

6. Close 1" ball valve located on the 1" starter line. This is to insure that the starter cannot engage while the engine is running. Compressor should never be unattended until "01" appears on the annunciator.

PLEASE DON'T HESITATE TO CALL IF YOU HAVE ANY CONCERN

1-888-742-5550

3500 Series 95 h.p. Enerflex

SSH(3.0Vi) - GARDNER DENVER Gas Screw Compressor Flow Table At 1800 RPM

DISCHARGE PRESSURE

Pressure	DISCHARGE PRESSURE											
	60	80	100	120	140	150	160	180	200	220	240	260
0	0.327	0.325	0.323	0.322	0.321	0.319	0.318	0.253	0.251	0.251	0.217	0.216
	39	48	55	63	70	74	77	71	75	79	75	77
5	0.455	0.453	0.451	0.449	0.448	0.447	0.357	0.355	0.309	0.264	0.263	0.218
	41	50	59	67	75	79	70	76	76	75	80	79
10	0.583	0.581	0.581	0.578	0.576	0.460	0.459	0.458	0.399	0.341	0.283	0.226
	41	51	61	70	78	70	73	80	79	79	78	78
15	0.712	0.711	0.708	0.706	0.563	0.563	0.562	0.491	0.419	0.382	0.278	X
	43	51	62	72	68	72	76	76	76	76	77	X
20	0.841	0.839	0.837	0.835	0.666	0.666	0.665	0.581	0.796	0.413	0.329	X
	44	53	62	72	70	74	78	78	79	79	80	X
25	0.971	0.968	0.966	0.964	0.770	0.769	0.768	0.671	0.574	0.382	X	X
	44	54	63	73	70	75	79	80	80	76	X	X
30	1.099	1.097	1.095	1.093	0.873	0.872	0.872	0.652	0.543	0.433	X	X
	42	54	65	73	71	75	80	75	76	78	X	X
35	1.228	1.227	1.225	1.223	0.977	0.976	0.975	0.731	0.608	0.485	X	X
	39	53	65	75	70	75	80	75	77	79	X	X
40	1.358	1.356	1.354	1.353	1.081	1.080	1.079	0.808	0.672	0.537	X	X
	35	51	65	76	72	75	80	76	78	80	X	X
45	1.488	1.486	1.485	1.483	1.185	1.184	1.035	0.886	0.738	0.589	X	X
	29	49	63	76	73	77	74	75	78	80	X	X
50	1.619	1.617	1.615	1.613	1.289	1.288	1.126	0.964	0.803	0.641	X	X
	22	46	61	75	74	78	76	76	78	80	X	X

- COMPRESSOR LOAD FACTOR AT 80%
- COMPRESSOR LOAD FACTOR AT 70%
- COMPRESSOR LOAD FACTOR AT 60%
- COMPRESSOR LOAD FACTOR AT 50%
- COMPRESSOR LOAD FACTOR AT 40%
- Above flow rates are calculated in mmscfd at 1800 RPM +/- 10%
- BRAKE HORSPOWER (80 HP AVAILABLE WITH 1200 b.t.u. fuel gas) +/- 10%

3500 / 7400 / 8400 Series Portable Compressor Package:

RECOMMENDED SPARE PARTS LIST:

Engine: Caterpillar 3304 NA

- 16- Spark Plugs (Champion # RTN79G)
- 6- Engine Oil Filter Elements (IR-0716)
- 1- Intake Air Filter Element
(Baldwin PA2598)
- 2- Ignition coil (Altronic # 591011A)
- 2- 18" Low Tension Leads (Jiro # LT24)
- 1- Carb. diaphragm assy (Impco # CVI-12-2)
- 3- Fan belts (13A1805)
- 6- Fuel Gas Filter Elements (TECHNOLAB TLH00129E)
- 6- Intake Gas Filters (Nafco # 29-335K5)
- 20- Chevron HDAX 40 (Engine Oil)

Compressor:

- 20 Gallons Compressor Oil (SPG-100)
- 1- Compressor Oil Coalescing Filter Element
(SULLAIR #250030-939)
- 12-Compressor Oil Filter Elements
(Donaldson #P165569 spin on elements)

NOTE: The list of parts above, are parts that are recommended to be stocked by the customer.

WARRANTY

CATERPILLAR 3304NA ENGINE:

12 months on any Caterpillar supplied accessories:

6 months on any Jiro supplied accessories:

carburator

starter

governor

accessories

alternator

JIRO PANEL:

12 months on components

6 months on labor

COOLERS:

6 months

END DEVICES: (ie. Murphy, Fisher, etc.)

12 months components

6 months on labor

COUPLERS:

12 months

JIRO WORKMANSHIP:

12 months

GARDNER DENVER SCREW:

12 months

ENERFLEX

DAMAGE CAUSED BY CONTAMINATION, CORROSION OR ABUSE IS NOT COVERED BY WARRANTY.

ADDITIONAL ITEMS THAT ARE NOT COVERED BY WARRANTY:

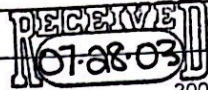
**filters
diaphragms
belts
spark plugs
oil
soft kits
rad hoses**

BILLABLE TO CUSTOMER:

**mileage/mechanic travel time
any subsistence
any overtime or weekend rates**

ENERFLEX SYSTEMS LTD. PO Box 1450 5221 46 Street Stettler AB Canada T0C 2L0
Tel 1 (403) 742 5538 Fax 1 (403) 742 5539 Email info@enerflex.com Website www.enerflex.com

1. Manufactured and certified by ENERFLEX Systems Ltd., Compression and Power, 4700 47 STREET SE CALGARY, AB T2B 3R1
 (Name and address of Manufacturer)
 Manufactured for ENERFLEX SYSTEMS LTD., COMPRESSION, 5221 - 46 ST. PO BOX 1450 STETTTLER, AB T0C 2L0
 (Name and address of Purchaser)
 Location of installation ENERFLEX SYSTEMS LTD., COMPRESSION, 5221 - 46 ST. PO BOX 1450 STETTTLER, AB T0C 2L0
 (Name and address)



4. Type INLET SEPARATOR VESSEL (Horiz. or vert. tank)
 Code Case Nos. 030314-14 R0348.213 CDL-2002-07 REV 0
 (Mfr's serial No.) (CRN) (Drawing no.)
 (Nat'l Bd. No.) (Year built) 2003

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
 Year 2001

6. Shell: Addenda (Date) 2002
 Code Case Nos. SA-106-B 0.375" 0.125" 1' 0" 4' 2.625"
 (Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: SMLS N/A 100 1150 1 Hr. TYPE 1 FULL* 1
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA-234-WPB (Spec No., Grade)
 (b) Matl. SA-234-WPB (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	0.3281"	0.125"	-	-	2:1	-	-	-	CONCAVE
(b) BOTTOM	0.3281"	0.125"	-	-	2:1	-	-	-	CONCAVE

If removable, bolts used (describe other fastenings) _____ (Matl., Spec. No., Gr., Size, No.) _____

9. MAWP 285 psi at max. temp. 100 °F
 Min. design metal temp. -20 °F at 285 psi. Hydro., pneu., or comb. test pressure HYDRO AT 371 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
INLET	1	3"	RFWN / 150#	SA-105/SA-106B/SA-234WPB	0.300"		FIG UW16.1 (C)	SHELL
GAS OUTLET	1	3"	RFWN / 150#	SA-105/SA-106-B	0.300"		FIG UW16.1 (C)	HEAD
DRAIN	1	1"	NPT	SA-106-B/SA-234WPB	0.358"		FIG UW16.1 (C)	HEAD
LIQUID OUT	1	1"	H.CPLG	SA-105	6000#		FIG UW16.1 (C)	SHELL
INSPECTION	2	2"	TOL	SA-105	3000#		FIG UW16.1 (A)	SHELL
LG	2	0.75"	TOL	SA-105	6000#		FIG UW16.1 (A)	SHELL
LC	1	2"	TOL	SA-105	3000#		FIG UW16.1 (A)	SHELL
LSHH	1	2"	TOL	SA-105	3000#		FIG UW16.1 (A)	SHELL

11. Supports: Skirt YES Lugs N/A Legs N/A Other - Attached BOTTOM WELDED
 (Yes or 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 this report:
 NONE
 (Name of part, item number, Mfr's name and identifying stamp)

SERVICE: SOUR GAS PSV ON PIPE AS PER UG-125
 CONST. DRAWING NO.: V030314P REV 2 RADIOGRAPHY: *FULL PER UW-11(A)
 TESTING: NO CHARPY TEST REQUIRED PER UG-20 (F) 1 THROUGH 5 CUBIC CAPACITY: 3.85 CUBIC FEET

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. 309611 expires APRIL 15, 2005
 Date JULY 4, 2003 Co. name Enerflex Systems Ltd., Compression and Power Signed [Signature] (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Enerflex Systems Ltd., Compression and Power at CALGARY, ALBERTA, CANADA

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and 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 1111 - 420002, 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 JUL - 4 2003 Signed [Signature] Commissions ALBERTA #11
 (Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)

CERTIFIED BY:

U

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234-1P3



497318

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 _____
 2. Manufactured for HADLEY'S FAB WELD INC., 4202 SUNSET DR., MARION, NY, USA, 14505
 3. Location of installation NORTH AMERICAN FILTER CORPORATION, 200 WESTSHORE BLVD., NEWARK, NY, USA, 14513
 4. Type: VERT. (Horizontal, vertical, or sphere) FILTER HOUSING (Tank, separator, etc.) UNKNOWN (Name and address of Purchaser) 529-UM THRU 548-UM (Mfg's serial No.)
 5. ASME Code, Section VIII, Div. 1 17900.2 (CRN) 13113 REV.0 (Drawing No.) 2003 (Year built) **542-UM**
 6. Shell (a) No. of course(s): 2 (b) Overall length (ft & in.): 2' 3 1/4"
 (Edition and Addenda (date)) (Code Case No.)

No.	Diam. in.	Length (ft & in.)	Material Spec. Grade or type	Thickness		Long joint (Cat. A)			Circum. joint (Cat. A, B & C)			Heat Treatment	
				Nom.	Corr.	Type	Full	Spot	None	Eff.	Type	Full	Spot
1	8.25"	13.625"	SA 414 GRC	0.125"	0.00"	S	NONE	0.85	S	NONE	0.85	-	-
2	8.25"	13.625"	SA 414 GRC	0.125"	0.00"	S	NONE	0.85	S	NONE	0.85	-	-

7. Heads (a) SA 414 GRC (Mat'l Spec. No., Grade or Type)(H.T. - Time & Temp.) (b) SA 414 GRC (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) TOP	0.125"	0.00"	-	-	2:1	-	-	-	-	YES	-	-	-
(b) BOTTOM	0.125"	0.00"	-	-	2:1	-	-	-	-	YES	-	-	-

If removable, bolts used (describe other fastening): 6SA193 B7 BOLTS 5/8" - 6SA194-2H NUTS 5/8"
 8. Type of jacket _____ Jacket closure _____ (Mat'l. Spec. No., Grade, Size, No.)
 If bar, give dimensions, if bolted describe or sketch _____ (Describe as open & weld, bar, etc.)

9. MAWP 180 (internal) (external) psi at max. temp. 450 (internal) (external) °F Min. design metal temp -20 °F at 180 psi.
 10. Impact test NO, EXEMPT PER UG-20(d) at test temperature of _____ °F
 (Indicate yes or no and the component(s) impact tested)

11. Hydro. ~~press.~~ or ~~comb.~~ test press 234 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"	CL 150	SA106 GRB/S	SA105	0.216"	0.00"	-	JW-16.1(c)	FIG. 2-4(3)	-
DRAIN, VENT	2	3/4"	-	SA105	-	0.1625"	0.00"	-	JW-16.2(I)	-	-
PRESSURE TAP	2	1/4"	-	SA105	-	0.100"	0.00"	-	JW-16.2(I)	-	-

13. Supports - Skirt NO Lugs - (Yes or no) (No) Legs - (No) Others SWING BOLT BRK Attached (Describe) WELDED TO SHELL (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) _____

15. Remarks: PRESURE RELIEF DEVICE SUPPLIED BY OTHERS PER UG-125(a)

CERTIFICATE OF SHOP COMPLIANCE

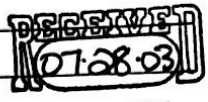
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

UM Certificate of Authorization No. 30,623 Expires OCT. 21, 2003
 Date 6/16/03 Name HADLEY'S FAB WELD INC. (Manufacturer) Signed John A. Wall (Representative)

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

A 497382

1. Manufactured and certified by ENERFLEX Systems Ltd., Compression and Power, 4700 47 STREET SE, CALGARY, AB T2B 3R1
 (Name and address of Manufacturer)
 Manufactured for ENERFLEX SYSTEMS LTD., COMPRESSION, 5221 46 ST. PO BOX 1450 STETTTLER, AB T0C 2L0
 (Name and address of Purchaser)
 Location of installation ENERFLEX SYSTEMS LTD., COMPRESSION, 5221 46 ST. PO BOX 1450 STETTTLER, AB T0C 2L0
 (Name and address)
 2. Type COALESCING VESSEL
 (Horiz. or vert. tank)
 3. 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
 4. Addenda (Date) 2002
 Code Case Nos. 030313-18 P9596.213 CDL 2002-05 REV 4
 (Mfr's serial No.) (CRN) (Drawing no.)
 Special Service per UG 120(d) 2003
 (Year built)



5. Shell: SA-106-B Code Case Nos. 0.375" 0.125" 1' 7.25" 3' 1"
 (Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))
 6. Seams: SMLS N/A 100 1150 1.25 Hr. TYPE 1 FULL* 1
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses
 7. Heads: (a) Matl. SA-516-70 (b) Matl. SA-516-70
 (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	1.90"	0.125"	-	-	-	-	-	20"	FLAT
(b) BOTTOM	0.3516"	0.125"	-	-	2:1	-	-	-	CONCAVE

If removable, bolts used (describe other fastenings) 20 X 0.625" BOLTS, SA-193-B7
 (Matl., Spec. No., Gr., Size, No.)
 9. MAWP 350 psi at max. temp. 250 °F
 Min. design metal temp. -20 °F at 350 psi. Hydro., pneu., or comb. test pressure HYDRO @ 455 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
OIL/GAS INLET	1	2.5"	H.CPLG	SA-105	3000#	-	FIG UW16.1 (C)	SHELL
GAS OUTLET	1	2"	H.CPLG	SA-105	6000#	-	FIG UW16.1 (A)	HEAD
OIL OUTLET	1	2"	H.CPLG	SA-105	6000#	-	FIG UW16.1 (C)	SHELL
DRAIN	1	1"	PIPE	SA-105/SA-106-B/SA-234-WPB	0.358"	-	FIG UW16.1 (C)	HEAD
GAUGE/PSV/OPT	3	1"	H.CPLG	SA105	6000#	-	FIG UW16.1 (C)	SHELL
OIL FILL	1	1.5"	H.CPLG	SA105	6000#	-	FIG UW16.1 (C)	SHELL
SCAVENGER	1	0.5"	H.CPLG	SA105	6000#	-	FIG UW16.1 (A)	HEAD
PI	1	0.25"	H.CPLG	SA105	6000#	-	FIG UW16.1 (A)	HEAD
TOP INSPECTION	1	20"	REV. FLANGE	SA-516-70	2"	-	TYPE 1	HEAD

11. Supports: Skirt YES Lugs N/A Legs N/A Other - Attached BOTTOM WELDED
 (Yes or 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 this report: NONE
 (Name of part, item number, Mfr's name and identifying stamp)

SERVICE: N/A PSV ON PIPE AS PER UG-125
 CONST. DRAWING NO.: V030313T REV 1 RADIOGRAPHY: *FULL PER UW-11(A)
 TESTING: NO CHARPY IMPACT TESTING REQUIRED PER UG-20(F) 1 - 5, UCS-66(A) CUBIC CAPACITY: 7.11 CUBIC FEET

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. 30961 expires APRIL 15, 2005
 Date JULY 8, 2003 Co. name Enerflex Systems Ltd., Compression and Power Signed [Signature] (Representative)
 (Manufacturer)

CERTIFICATE OF SHOP INSPECTION
 Vessel constructed by Enerflex Systems Ltd., Compression and Power at CALGARY, ALBERTA, CANADA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and 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 JUL - 8 2003 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 JUL - 8 2003 Signed [Signature] Commissions ALBERTA #11
 (Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)

CERTIFIED BY:

ENERFLEX



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030313-18

2003

CRN

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