

PLEASE REMIT PAYMENT TO:

Source North America Corporation
 510 S. Westgate Drive
 Addison, IL 60101
 Phone: 1-847-364-1744
 Fax: 847-364-1788

**SERVICE INVOICE**

INVOICE:	1886610
INV DATE:	07/09/2020
ORDER:	7723527
ACCOUNT:	314553
CONTACT:	Ace Service
PHONE:	8004262880
PAGE:	1 of 2

SOLD TO	WORK SITE
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HITEC Power Protection
 4070 Nelson Avenue
 Suite C
 Concord, CA 94520

AT&T
 14560 NE 87th Street
 Redmond, WA 98052
 CONTACT: Ace Service (8004262880)
 (service.800@acetank.com)

Customer PO	Terms	Completion Date
Email John Cross	Due Upon Receipt	06/30/2020
Reported By	Taken By	Tech Assigned
Ace Service	Tom Wolfgang	Tom Wolfgang

LABOR**Filtration Systems STS-6000-SX Ser#K-10003260SX Unit#1****Service Requested:**

POC (HITEC): Nick Hawkins 832-759-7529
 POC (Sequoia): Jim Walrod 425-766-3226

Generator 1 polisher tripping on high vacuum alarm.

Service Performed:

5/14/2020:

Met with Nick and Jim on site. Jim had already done significant troubleshooting. Test ran polisher in manual. Closed filter vent. Indicated vacuum showed ~10" Hg. After about 5 minutes, vacuum crept up to ~10.5" Hg and system shutdown on high vacuum. Operated generator 2 polisher in manual. Steady state vacuum showed ~10" Hg and operated without alarm. Swapped vacuum gauges between units 1 & 2. Noted gauge removed from unit 1 while disconnected and body vented, showed 2 psig (by definition, a gauge not connected to anything and its internals proper vented to atmosphere should indicate 0 psig). With the unit 2 compound gauge installed, when attempting to run system, indicated vacuum was momentarily exceeding 12" Hg before shutting down on high vacuum. Shut down polisher and opened piping at tank suction. Removed in-line check valve (serves no function with the foot valve installed). Pulled foot valve and confirmed no foreign objects (e.g. a rag) in the area of the fuel pick up in the tank. Replaced in-line check with straight section of pipe and closed up piping system. Started polisher in manual again. Vacuum slowly built up to ~6" Hg and held steady. Observed filter bowl and confirmed fuel flow (bubbles passing through and suction line refilled). Left system to operate for ~20 minutes while cleaning up tools and used absorbent rags. After 20 minutes, polisher still operating at steady state vacuum of 6" Hg.

6/30/2020

Replaced polisher 1 top cover. Replaced polisher 2 compound gauge. Installed replacement check valve. Ran polisher 1 for ~15 minutes; new steady state vacuum of 8" Hg. Stopped polisher and let system stand for ~10 minutes; no signs of leakage where new check valve installed.

Date	Technician	Time Type	Start Time	End Time	Hours	Rate	Amount
05/14/2020	Tom Wolfgang	Travel	07:45 AM	08:30 AM	00:45	\$97.50/hr	\$73.13
05/14/2020	Tom Wolfgang	Labor - Field	08:30 AM	12:15 PM	03:45	\$97.50/hr	\$365.63

Comment: Time on site including trip to obtain pipe nipple to replace in-line check valve.

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06/30/2020	Tom Wolfgang	Travel	08:00 AM	09:00 AM	01:00	\$97.50/hr	\$97.50
06/30/2020	Tom Wolfgang	Labor - Field	09:00 AM	10:15 AM	01:15	\$97.50/hr	\$121.88
06/30/2020	Tom Wolfgang	Travel	10:15 AM	11:00 AM	00:45	\$97.50/hr	\$73.13
						Labor	07:30 hrs. \$731.27
						Total Labor	\$731.27

PARTS

Item	Description	Qty	Cust Price	Extended
OPB-MP-SINGLE	Medium Weight White Sorbent Pad Perforated, Single	24	\$1.00	\$24.00
958-0700 AV	3/4 Inch Stainless Steel Check Valve	1	\$99.77	\$99.77
AA-2324	Seperator Filter White Lid Tapped For 2000/10	1	\$44.56	\$44.56
AA-0655	Separator Filter Compound Gauge	1	\$79.00	\$79.00
OPB-MP-SINGLE	Medium Weight White Sorbent Pad Perforated, Single	20	\$1.00	\$20.00
PN3/4CB	3/4 Inch NPT x Close, Pipe Nipple, Black Iron	1	\$1.53	\$1.53
PN3/4X2B	3/4 Inch NPT x 2 Inch Long, Pipe Nipple, Black Iron	1	\$1.44	\$1.44
				Total Parts: \$270.30

EXPENSES

Date	Expense Type	Amount
05/14/2020	Mileage	\$81.00
06/30/2020	Mileage	\$57.00

Total Billable Expenses: \$138.00

For terms and conditions please check our website www.sourcena.com/terms
 For product warranty information, please check our website at www.sourcena.com/warranties

Labor:	\$731.27
Parts:	\$270.30
Expenses:	\$138.00
Subtotal:	\$1,139.57
Freight:	\$0.00
Sales Tax:	\$100.16
Total:	\$1,239.73