



**J & L TANK**  
**Division of Heil Trailer International**  
**500 Randall St.**  
**Rhome, TX 76078**  
**Tel 866/636-2201 Fax 817/636-2602**

## **Specification Sheet** Doc Rev. 04-10-06

**Quote Name: Pneutech Cementer stock 2009      Shop Order Number:      Date: 10/01/2008**

**CUSTOMER : Pneumatic Technology**  
**SALESPERSON :**  
**MODEL : 1040 Cu. Ft. Cementer Pneumatic - 3 Hoppers**  
**PART NO./DRAWING : A01-751-0961**  
**CUSTOMER FURNISHED TRACTOR DATA REQUIRED - WEIGHTS INCLUDE DRIVER AND FUEL**  
**TRACTOR DATA : Wheel Base: 187"**  
**Weight: (Front Axle: 9500 lbs. Rear Axles: 7000 lbs.)**  
**: 5<sup>th</sup> Wheel Height: 49"**  
**Set Ahead: Adjustable 5th wheel to 24 in. "**

### **A. VESSEL**

1. **Capacity** 1040 Cu. Ft. Cementer Pneumatic - 3 Hoppers
2. **Tank Construction** Smooth exterior, internal rings.  
5454-H32 aluminum vessel.  
Hydro tested at 37.5 P.S.I.  
45 degree hopper slope with weld-on spun cones.
3. **End Frame** Huck riveted bi-metal end frames with galvanized hi-tensile steel frame rails and aluminum crossmembers, with aluminum struts.
4. **Interior Welds** Class I, as welded.
5. **Manholes** 2 20" Cast aluminum covers, pressure type with 6 cam actuated adjustable hold downs. Manholes located center and rear. Full length toe rail.  
  
Aluminum cam handles and nylon wear plates, replaceable wear plates under hold downs, two stainless steel cover retainers per manhole.  
White neoprene gaskets in manhole covers.  
Manholes hinge on curbside.
6. **Shell Finish** Mill finish bulk trailer sheet.
7. **Baffles** None
8. **Documentation** Unit tested with water.  
Professional cleaning is recommended prior to initial loading to avoid possible contamination of cargo.  
180 degrees F. maximum operating temperature.
9. **Product Information** Cement
10. **Misc. Vessel** 1 The Heil Cementer is designed and built for the highway transportation of cement and other like pulverants used within the cement industry. It is not



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designed for off-road use and should only be operated on hard surface roads. It is not designed for hauling any type liquid or semi liquid (slurry) which may damage the unit and potentially cause personal injuries. It is designed for US operations only.

## **B. TANK FITTINGS AND PIPING**

1. **Air Inlet Line** 3" Sch. 10 aluminum line with welded 3" adapter streetside front of tank.  
One (1) check valve near P.T.O. inlet.  
One (1) check valve upstream of front hopper discharge.
2. **Aeration** Three (3) SureSeal, "SureFlo" aerators per hopper.  
3 in. aluminum air manifold on curbside, 2 in. hoses supplying air to aeration system.  
Hopper saver wear plates.
3. **Prop/Pres Ctl Valve** 3" Heil fig. 500, aluminum body butterfly valve (alum/bronze disc, black Nitrile seat). Locate streetside to regulate airflow to product discharge line.
4. **Aeration Valve** 3" Heil fig. 500, aluminum body butterfly valve (alum/bronze disc, black Nitrile seat). Locate streetside to regulate airflow to air manifold line.
5. **Blow-Down Line** 3" Sch. 10 aluminum with 3" Heil fig. 500 aluminum body butterfly valve (alum/bronze disc, black Nitrile seat). Located streetside front of tank, with outlet terminating curbside.  
25 PSI pressure relief valve.
6. **Top Air Line** None.
7. **Product Valve** 5 in. alum. body, iron disc black Nitrile seat, w/stamped powder coated handle.  
with powder coated steel handle.
8. **Product Tee** Cast aluminum, non-gravity tees, 5" valve x 4" product line.
9. **Product Line** 4" Sch. 40 aluminum line between hoppers.  
Rubber hose with stainless steel screw band clamp connectors between hoppers.
10. **Rear Discharge** \*Sch. 40 aluminum, bent tube, over axle.  
Welded aluminum male adapter (Part "A") and dust cap at rear of discharge pipe.
11. **Vacuum Inlet Line** None.
12. **Load Line** None.
13. **Cyclone Filter** None.
14. **Gauges** Two (2) 4" liquid filled, one tank pressure, one line pressure. Gauge pressure range 0-30 PSI.  
\*Located on streetside between number one and two hoppers.



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15. **Miscellaneous** 0 None.

### C. ACCESSORIES

1. **Ladder** Rear center of head, aluminum, with serrated rungs & grab handles at top step.
2. **Hose Tubes** 1 8" x 21' long aluminum hose tube located curbside rear of tank. Cast aluminum door at rear.
3. **Walkway** Adhesive backed skid-resistant tape between toe rails.
4. **Tire Carrier** None.
5. **Cabinet** None.
6. **Hose Holder** P.T.O. hose holder at nose.
7. **Fenders** 2 Aluminum single contour front fenders.  
2 Aluminum double contour rear fenders.
8. **Splash Guard** Anti-sail and anti spray for front.  
Anti-sail and anti spray for rear.
9. **Lights** 12 Volt Truck Lite flange mount LED lamp system complying to FMVSS with conspicuity markings each side and rear.  
2 Combination mid-tank clearance and turn signals, one each side.  
1 One oval third stop light, located rear center of trailer.
10. **Wiring** 12-volt system, 7-wire, molded harness throughout. "Plug-together" modular style harness.  
7-way SAE J560 connector.
11. **Miscellaneous** 0 None

### D. CHASSIS

1. **Upper Fifth Wheel** Hi-tensile steel, bolted and adjustable with 2" forged kingpin.
2. **Skid Plate** None.
3. **Landing Legs** OEM 2 speed landing legs, 50,000 lb. rating with sandshoes, and streetside crank.
4. **Suspension**



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Hendrickson Intraax Narrow Hanger AANT 230 Air Ride Suspension, parallel (straight) axle, & brake system, 71.5" track, 5" round, 23,000 lb. axle beam rating, 49" spacing, with single leveling valve. Soft-Coat protective coating (black) to provide better resistance to road wear and corrosion. Heil R2R ("Ready-to-Run") Value Package - Includes Hendrickson's Five-Year wheel end warranty and factory supplied chambers, slacks, preset hubs, and drums.

- 5. Brake System** One (1) aluminum 2850 cu. in. air tank with rubber saddles and stainless steel u-bolt mount. System to meet FMVSS requirements. ABS brake system, 4 wheel sensors-2 modulator valves. Constant power is standard on auxiliary (blue) center pin of SAE J560 7-way. 16.5" x 7" (quick change) S-cam type brake shoes - Heil's R2R Package includes extended service brake shoes (Premium ABEX 30/30-197 with 5/8" thick brake shoes) "Quick Release" gladhand on service line.
- 6. Brake Chamber** OEM type 30-30 parking-emergency spring brake - Heil's R2R Package includes Haldex Life Seal (long stroke) Brake Chambers
- 7. Brake Lining** OEM brake lining.
- 8. Slack Adjuster** OEM (automatic) slack adjuster - Heil's R2R Package includes Haldex 5.5" automatic slack adjusters with grease fittings.
- 9. Axles** 2 Integral with air ride.
- 10. Oil Seals** Preset bearings with Premium oil seals and visible hub caps for Heil's R2R Package.
- 11. Paint** Dupont Imron 5000 series gray paint on steel parts only.
- 12. Misc. Chassis** 0 None.

#### **E. HUBS AND DRUMS**

- 1. Hubs** 4 10 Stud, "Hub Pilot" (single nut mount), aluminum hub for outboard drum (parallel spindle) (ConMet Preset dual aluminum wheel - stud length 33mm, two piece flanged wheel nuts)  
 Hub lubrication - synthetic CD-50 transmission fluid wheel end lubricant (Premium visible hub caps).
- 2. Drums** 4 Centrifuse - outboard mount brake drums (16.5" x 7").

#### **F. WHEELS**

- 1. Wheels** 8 10 Stud aluminum machine finish 24.5" x 8.25" (Hub Pilot - single nut mount) wheels  
 0



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**G. TIRES**

- 1. **Tires**                    8    Michelin XT-1, 11R24.5 14 Ply G

**H. MISCELLANEOUS**

- 1. **Customer Supplied Parts**            None.
  - 2. **Warranty**                    Heil's Standard Four Year warranty - One year bumper to bumper coverage with some areas (e.g., barrel and frame) extended on a pro-rated basis out as much as 4 years. Includes Heil's R2R ("Ready-to-Roll") Value Package - Hendrickson's Five-Year wheel end warranty and factory supplied chambers, slacks, preset hubs, and drums.
  - 3. **Other Notes**
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