

HALE

TRAILER

BRAKE & WHEEL



Hale Trailer Brake & Wheel

104446-104453

Barrel Description

Model	APXS 1040-1, Aluminum, Pneumatic dry bulker, Interior ring, Non-code trailer. (SAND TRAILER)
Code	Non-code
Capacity	1040 cubic feet, 3 hopper
Compartments	One
Shape	Round with 45 degree discharge hoppers. Internal ring with smooth exterior.
Shell Material	Aluminum, 5454H32 barrel, end cone, and upper hopper section.
Head Material	Aluminum, 5454H32
Operating Pressure	15 PSI
Design Temperature	180 Degrees F.
Overall Length	42'-6"
Product	Sand and Various other Dry Products; to be compatible with the materials of construction.

Other Barrel Information

Material Finish	Mill Finish
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Construction

Front	Stainless Steel front frame, bolted to center frame with aluminum cross bracing
Rear	Stainless Steel rear frame, bolted to center frame with aluminum cross bracing.
Center	Aluminum extruded channel.
Struts	Aluminum extruded struts, single at both ends.
Manhole	3 MM4220, 20" aluminum cover, six hold-down with nylon wear plates and additional safety retainer.
Gasket	3 White neoprene gasket in cover, non-toxic.
Manhole Hinge Location	Manhole covers hinged to curbside of trailer.

Hose Carriers

Hose Carrier	2	Aluminum tube 8" diameter x 21' long. Tube to be mounted to the outer edge of brackets.
Hose Carrier	2	8" aluminum door, at rear. Door hinged at bottom.
Carrier Location		Mounted roadside and curbside rear.

Lights and Wiring

Lights		12-volt, Truck-Lite LED grommet mount lights. Combination center marker / turn signals, mounted on barrel frame.
Wiring		Plug-in style harness system.
Rear Lights		Enclosed in stainless steel light boxes
Extra Lights		Truck-Lite grommet mount LED model 60 oval stop light mounted on bracket, at rear.
Extra Lights	2	Truck light #81360, LED work light. One mounted roadside behind front fender and one at base of rear head, Curbside.
Extra Lights		Master switch to operate all work lights or spot lights.
Nose box		Standard 7 way, J560 receptacle without circuit breakers.

Undercarriage

Upper 5th Wheel		5/16" Heavy duty with A.A.R. style double hubbed kingpin.
Paint		Fifth wheel plate painted black.
Landing Gear		Holland Atlas 55 2-speed
Bracing		Stainless steel, with cross brace.
Crank location		Crank handle located on roadside
Suspension		Hendrickson Intraax AAT23K, 23000 lb., tandem axle with standard 49" axle spacing. Hendrickson integrated axles.
Suspension		Stainless steel hangers with painted axle and trailing arm. (Weld-on suspension only) (Painted not included in option)
Suspension		Load scale system. Liquid filled pressure gauge, 0 to 100 PSI, connected to air springs and mounted on vessel framing, streetside. Scale operates when bags are inflated, no intermediate control.
Bumper		No bumper provided.
Under-ride Protection		None (no under ride required, Wheels back exempt.)
Tow hooks		5/8" galvanized plate with single hole, mounted at rear of sub frame.
Beam		Inverted axle, humped up.
Track		71.5in track
Spindle		OEM Standard P spindles (parallel) same inner and outer bearing
Wheel seals		Stemco Guardian, standard w/ Hendrickson HXL
Hub & drums		Hub-piloted, Dura-light hub with centrifuse drum. Includes Hendrickson Extended life System "HXL". 7 year warranty. This package comes with Synthetic semi-fluid grease, seals, and wheel-ends.
Brakes		OEM Standard
Anti-lock / Roll stability		Wabco 4S/2M. Standard roll stability system deleted, per customer request. Wired to auxiliary blue circuit.
Brake chambers		OEM type 30-30 long stroke parking-emergency spring brake.
Brake lining		OEM Standard Extended service, non-asbestos
Slack adjusters		OEM automatic slack adjuster.
Valves		OEM Standard
Gladhands		Gladhand, Phillips Quick release.
Air system		One aluminum tank system. 2800 cu. in. each meeting FMVSS 121 D.O.T. specifications.
* Wheels		Alcoa Ultra One with clean buff finish, 22.5 x 8.25 aluminum.

* Tires	11R-22.5 Cooper RM120, 14-ply. GHG2 COMPLIANT.
Mud flaps	White plastic with Heil logo, installed front and rear.
Front	Aluminum contour
Rear	Aluminum contour

Hose hook

Hose hook	Adjustable hose hook mounted at roadside with front fender hose holder mounted at fender mounting bracket.
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Jumper Hose

Jumper Hose	None.
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Valving and Piping

Discharge valves	5" Black Maxx butterfly valves with ductile disc, buna seat. ,#5B-600-530-HD10
Discharge tee	3 5" X 4" BTI, zinc plated sand hog discharge tee.
Piping	4" Galvanized steel, schedule 40 between hoppers, ending at last hopper.
Piping	4" Galvanized steel discharge, straight under the axles, ending at the rear of the trailer.
Pipeline connectors	4" bolted groove type couplers mounted at rear of rear hopper and forward of first hopper with black gaskets. Black rubber hose with stainless steel clamps between hoppers.
Adaptor	4" aluminum female coupler
Cap	4" aluminum dust plug.
Air inlet	3" Aluminum on roadside with front elbowed upward with 3" thread. One (1) 3" BTI Black Maxx#3B-600-530-HD10 valve with Ductile Disc & buna seat.
Check valves	Two 3" BTI Optima flanged check valves, one forward of first hopper, one near front of air inlet line.
Adaptor	3" aluminum male adaptor.
Cap	None. Temporary plug for Shipping.
Aeration	3" Aluminum aeration line on curbside controlled by 3" BTI Black Maxx #3B-600-530-HD10 butterfly valve with Ductile disc ,and Buna seat. Two one port aerators and one 3 port aerators . (3) BTI aerators per hopper.
Blowdown	3" Aluminum pipe and 3" Black Maxx #3b-600-530-HD10 butterfly valve,ductile disc and Buna seat.
Relief Valve	2"BTI quick coupler Relief valve in blowdown line. Relief valve to be accessible from ground level. Relief valve set at 15 PSI.
Top Air	3" Aluminum pipe and 3" Black Maxx #3B-600-530-HD10 butterfly valve.
Pressure	Liquid filled, one for line pressure, one for tank pressure, 0 TO 30 PSI, located roadside between number 1 and number 2 hopper.

Walkway and Ladder

Top center	Non-skid tape, full length of barrel
Top center	19" aluminum at rear end frame to ladder.
Toe rail	1 1/4" aluminum pipe each side of walkway, full length
Ladder	Aluminum tubular with large platform step, bolt on
Ladder Location	Mounted at rear head, centered.

Miscellaneous

Decals	Standard warning and safety package. Decals in English.
Conspicuity Tape	Discontinuous tape
Document holder	Truck Lite #97960
Paint	Polyurethane on all carbon steel parts, black.
Interior Cleaning	Class I, as welded. Note: Interior cleaning is recommended prior to initial loading to avoid possible product contamination.
Warranty	Heil silver warranty.

DISCLAIMER

Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical. Equipment availability, prices and specifications are subject to change without notice.