

# HALE

## TRAILER

### BRAKE & WHEEL



A028063-A028067  
VIN#'S 009801, 009802,  
009803, 009804 & 009922

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#### A General

1	Trailer Type	Aluminum
2	Code	Non-Code
3	Overall Length in Feet	<b>44</b>
4	Shape	Straight Round with Slope to the Rear
5	Operating Pressure	15 PSI Pressure, 22 Hg Vacuum
6	Max. Product Density	13 lbs./ U.S. Gallon
7	Max. Loading Temp.	150° F max. Operating Temperature
8	Product(s)	<b>Products Compatible with Design of Tank</b>
9	Warranty	One (1) Year Limited Warranty
10	Fifth Wheel Height	Standard 49"
11	Additional Regulation	None-Optional
12	Wheelbase	Engineering to Design to Optimize Payload
13	Road Design Application	<b>Designed for on-road and off-road use</b>

#### B Barrel

1	Compartment(s)	One (1) compartment
2	Capacity	6,300 Gallons +1%
3	Baffles	<b>Three (3) 1/4" Aluminum Baffles, with large bottom drain and 3" holes at 9, 12, &amp; 3 o'clock positions, Welded to Internal Pads</b>
4	Shell	0.249" 5454 H32
4a	Shell Finish	Mill Finish
5	End Heads	<b>0.313" 5454 0 Temper Aluminum Flanged &amp; Dished Heads</b>
5a	Head Finish	Mill Finish
6	Bulkheads	N/A
7	Manway(s)	<b>Four (4) 20" Full Opening Manhole Assemblies; spaced on top centerline with the front Manhole to have Primary Shutoff.</b>
8	Interior Weld Finish	W-0 Conforms to TTMA RP-24
9	Cleanout(s)	<b>None-Optional</b>
10	Liner	<b>Internal Duraplate 8200 Liner. MAC LTT, Inc does not install or warranty liner.</b>
		<b>Three (3) Magnesium Anodes Installed inside Tank to reduce corrosion of Tank Structure.</b>

#### C Structure

1	Reinforcing Rings	External Rings fully welded to Shell
2	Frame	<b>Extruded Aluminum Full Length Frame Design</b>
3	Barrel Supports	<b>Box Style Outriggers at all Crossmembers Load Bearing Areas</b>
4	Spill Dam	<b>None. Heavy Duty Tombstones Located at Front, Rear.</b>
5	Spill Dam Drain(s)	None-Optional

D Running Gear		
1	Suspension	Hendrickson Intraxx AAT25K, 25,000 lb. with "K" Bracing
1a	Axle Spacing (inches)	49"
1b	ZMD Ride Bags	<b>Install Zero-Maintenance Dampening Ride Bags and Stop Chains without Typical Shocks</b>
2	Axles	71 1/2" Track with 5.75" diameter; HP Spindles with Same Inner and Outer Bearings.
3	Number of Axles	Two (2)
4	Lift Axle(s)	None-Optional
4a	Ride Height Control	Standard Hendrickson Height Control Valve
5	Hub(s)	Dura-Light 10 Stud Hub Piloted, 11 1/4" B.H.C.
6	Drum(s)	Centrifuse 16 1/2" x 7", 10-Stud Outboard Mount Drums
7	Dump Valve	Push/Pull Valve with Auto Reset mounted Roadside Forward of Suspension Frame
8	Brakes/Brake Chambers	23,000# Rating with S-Cam 16 1/2" x 7", 2.5" stroke, 3030 Chambers, and Non-Asbestos Linings
9	Dust Shields	None-Optional
10	Slack Adjusters	Automatic
11	Warranty	Hendrickson Extended Life System "HXL5" with Federal Mogul Hub Seals
12	Gladhands	Phillips or Equivalent
13	ABS	<b>Wabco 2S/1M System Wired to Blue Wire with Rear Malfunction Warning Light</b>
14	Roll Stability System	ABS with Roll Stability System
14a	Diagnostic Cable	None-Optional
15	Air System	Aluminum Air Tanks
16	Tank Drain/Dryer	Petcock Valve at bottom of each Tank
17	Suspension Frame	Aluminum
18	Bumper	<b>Aluminum</b>
19	Bumper Overlay	None
20	DOT NHTSA Bumper	None when DOT 12" Wheels Back Exemption Applies
E Tires/Wheels		
1	Wheels	<b>Alcoa with DuraBrite on Outside Wheels</b>
2	Tires	<b>Michelin XZE2 11R24.5 16 Ply</b>
3	Number of Tires	Eight (8)
4	Tire Inflation System	None-Optional
5	Hubodometer	None-Optional
6	Load Gauge	None-Optional
7	Tire Chain Holder	<b>4-Hook Chain Holder on Both Roadside and Curbside</b>
F Fenders		
1	Fenders-Front	Aluminum Hose Trough serves as Front Fenders
2	Fenders-Rear	Aluminum Hose Trough serves as Rear Fenders
3	Mudflaps	<b>MAC LTT Mudflaps on Front and Rear Fenders</b>
G Landing Gear		
1	Landing Gear	Jost AX150 Alumilight Landing Gear <b>Adjustable by at least 2" Increments. Kingpin to Meet SAE J700 Requirements</b>
2	Crank Location	Roadside
H Upper Fifth Wheel		
1	King Pin Plate	3/8" External Upper Plate with Hubbed Kingpin.
2	Pick-Up-Plate	Aluminum Pick-Up-Plate Installed if neccesary
I Ladder/Platform/Walkway		
1	Ladder(s)	Ladder located on Rear Roadside for easy access to walkway
2	Safety Hand Rails	Pipe located on roadside full length of trailer
3	Top Walkway	Standard 12" Wide Gripstrut Walkway extending from Front Primary to Rear Manhole located at Roadside
4	Fall Protection	None-Optional
J Cabinet(s) & Components		
1	Tool Cabinet(s)	One (1) 24" Deep x 24" High x 36" Wide Single Door Aluminum Cabinet forward of the suspension subframe on Roadside
K Hose Carrier(s)		
1	Hose Carrier(s)	Approximately 20 1/2" Wide X 4 1/2" High X Full Length on Both Roadside & Curbside with Splash Deflector at Suspension Area to Prevent Road Debris.

L Venting & Vapor Recovery System		
1	Relief Vent(s)	One (1) top 1 1/2" Tee Connections for One (1) 1 1/2" Pressure Relief Valve and One (1) 1 1/2" Vacuum Vent.  <b>Note:</b> <i>Pressure Relief Valve to include a Drain Hose to Bottom of Tank, Located as far forward as Possible and near a Ring so Drain Hose can follow the Ring to Bottom of Tank. Pressure Vent to be located in Vertical orientation, and Vacuum Vent to be located in Horizontal orientation</i>
2	Pressure Package	None-Optional
3	Discharge Vent	None-Optional
M Vacuum System		
1	Primary	Primary Shutoff located in Front Manhole with removable basket and 6" SST Ball 3" elbow facing to roadside with 3" hose to secondary tank inlet
2	Secondary	<b>10 Gallon Secondary with 6" SST Ball installed on Roadside Front easy access design, removable lid, wing nut fasteners, and 2" drain valve. Add Short hose to end of Drain to Empty Behind Hose Tray. Do not use Hard Pipe for Secondary Drain.</b>  <b>Pump Connection:</b> Top Outlet Plumed to Pump. <b>Blowdown Connection:</b> Top Inlet Tee'd with 3" Pressure/Vacuum Hose to Primary and bottom of Tee Bushed down to 2" Pressure/Vacuum Hose for Blowdown on Roadside.
3	Blowdown Line	2" Pipe from front to rear of the unit, 2" Brass Ball Valve, and 2" drain hose
4	Gauges	<b>4" Liquid Filled Pressure/Vacuum Gauge installed Roadside on 2" Blowdown Line with Drain. Bucket Hook installed on Rear Light Box.</b>
N Valving/Piping/Hose		
1	Outlet(s)	<b>One (1) 6" Drain Pocket at bottom and rear of trailer.</b>
11	Outlet Valve(s)	<b>One (1) 6" Sliding Gate Valve, Manual Lever Arm, SST Body and Metal Seat.</b>
13	Adapter(s)/Cap(s)	<b>6" Male Camlock, 6" x 4" Male Adapter, and 4" Aluminum Dust Cap.</b>
14	Fill Inlet	<b>One (1) 4" SCH40 Pipe Extending from Bottom of Rear Head, tilted down for complete drainage. Inside of Barrel</b>
15	Inlet Valve(s)	<b>4" Sliding Gate Valve, Manual Lever Arm, SST Body and Metal Seat</b>
16	Inlet Adapter(s)/Cap(s)	<b>4" Aluminum Flange Adapters with Quick Camlock Adapters &amp; Caps</b>
19	Bleed off Valve	<b>One (1) 1/2" Ball Valves one each Inlet and Outline line, with hose to Drain Pan</b>
20	Catch Pan	4" Deep Catch Pan under Discharge Valves and Outlets
O Pump		
1	Pump	<b>Fruitland Air Cooled RCF500 Pump with Oil Catcher, Pressure/Vacuum Vents, Muffler, and Oil Reservoir</b>
2	Pump Piping	N/A
3	Hydraulic Lines	<b>1 1/4" &amp; 1" SS Hydraulic lines on curbside, from front curbside to landing gear</b>
4	Flow Control	<b>None. Controls on Tractor Chassis and Pump</b>
5	Platform	<b>Aluminum Pump Tray Platform between Landing Legs with Cover Guard</b>
P Capacity Controls		
9	Capacity Gauging	<b>Clear Sight Tube at Rear, offset to Roadside, with Ball Valve at top and Ball Valve Drain and Cap at Bottom. Install Garnet Sea Level Annihilator 806B with Copper Wire</b>
Q Wiring		
1	Nose Box	Nose Box with J560 7-Way Plug Located Low Roadside at Front
	Intellistop Module	None-Optional
2	Light System	<b>LED Junction Box Lighting System with Front Markers, Combination Side Center Turn/Marker Lights, and Three (3) Upper Clearance. Liscense Plate Light Mounted at Top of Rear Head</b>
3	Lamp Mounting	Grommet Mounted
4	Light Boxes	Two (2) Aluminum Light Boxes on the Rear of the Trailer with Two (2) Red Stop/Marker Lamps and One (1) Amber Turn with Rear Side Marker Lights.
5	Wide-Turn Light(s)	None-Optional
6	Work Light(s)	<b>Four (4) Grote Worklights; Two (2) mounted at Top Rear and Two Mounted at Top Front, Facing Rear</b>
6a	Work Light(s) Operator	All work lights operated by switch in Cabinet
7	Cabinet Light(s)	Install One (1) LED Strip Light in each Cabinet
8	Backup Lights	None-Optional
9	Backup Alarm	<b>ECCO brand Backup Alarm mounted at rear</b>
10	Extra Light(s)	None-Optional
S Paint/Decals		
1	Corrosion Resistance	Electrolysis barrier between all dissimilar metals.
2	Conspicuity	DOT 3M Tape per N.H.T.S.A. Requirements.
3	Decals	Standard Warning and Safety Decals
4	Customer Decals	None-Optional
5	Emergency Drain Decals	Four (4) 3" diameter round DOT decals, (1) curbside and (1) roadside on horizontal centerline on each end head.

T Other/Options		
1	Document Holder	<i>Valox Body Document Holder installed on roadside, near landing gear frame.</i>
2	Hose Hanger	<i>One (1) Swivel type hose hanger mounted High on Front Head</i>
4	Safety Cone/Bucket Holder	<i>Dual Safety Cone and Bucket Holder mounted Curbside Forward of Suspension.</i>