



Polar Tank Trailer

12810 County Road 17
 Holdingford, Minnesota 56340, USA
 Office: (320)746-2255 Fax: (320)746-2937
<http://www.polartank.com>

To: Kraft Tank Corp
 320 Kindleberger Road
 Kansas City , KS, 66115
Attn: BRIAN PURSLEY
Phone: (816) 561-0111
Fax: (816) 361-7657
Email: brian@krafttank.com
Product Hauled: Jet Fuel

| Barrel Description | |
|--------------------------|---|
| Model | ATB6 9200-1, Aluminum, Elliptical, Tapered, Baffled, D.O.T. 406 trailer |
| Code | DOT 406 |
| Capacity | 9200 gallons (up to +3% tolerance, 60 gallons minimum) |
| Compartments | One |
| Shape | Elliptical, tapered, baffled. |
| Shell Material | Aluminum, .204" bottom, .180" top and sides. |
| Head and Baffle Material | Aluminum, .250" and .190" |
| Operating Pressure | 3.3 PSIG |
| Design Temperature | 125 Degrees F. |
| Overall Length | 43'4" |
| Product | 7.5 # per Gallon |

| Other Barrel Information | |
|--------------------------|---------------------|
| Weld finish | W-0 inside |
| Material Finish | Bright mill finish. |

| Construction | |
|---------------------|--|
| Frame | Front to rear aluminum framing. Standard width, Outriggers and pads at front and rear outrigger at landing gear, outriggers as needed to mount accessories. |
| Dam Drains | Drains through ladder rails. |
| Overturn Protection | Overturn Protection, full length structural aluminum extrusion each side on top, dams front and rear with transverse, curbside rail doubles as vapor rail. |
| Manhole | Betts PPVL816BX, 16in zinc plated steel cover with 10in offset fill. Includes vapor and sensor holes. Includes 6496ALB, pressure / vacuum vent mounted in 10in relief valve cover. |
| Gasket | Buna-N gasket in cover |
| Gasket | Buna-N gasket in 10in fill |



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|--------------------|---|
| Splash deflector | Aluminum, deflector installed over emergency valve. |
| Capacity indicator | None |
| Static cable | 1/8in stainless steel ground wire from manhole to bottom of tank. |
| Rings | No Rings installed. |

Hose Carriers

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| * Hose Carrier | Aluminum trough 4in high x max width x full length of barrel with brackets. Hose trough doubles as fenders on one side of trailer. Includes straps. |
| * Carrier Location | Mounted curbside rear |

Lights and Wiring

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| Lights | 12-volt, Truck-Lite grommet mount LED lamp system complying to FMVSS. Combination center marker / turn signals, one each side. |
| Wiring | Plug-in style harness system. |
| Rear Lights | Enclosed in stainless steel light boxes |
| Nose box | Standard 7 way, J560 receptacle with out circuit breakers. |

Undercarriage

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| Upper 5th Wheel | 5/16" Heavy duty with A.A.R. style double hubbed kingpin. |
| Paint | Fifth wheel plate painted black. |
| Landing Gear | SAF Holland Atlas 55 with Black Armor coating, 2-speed, load bearing, sealed gear box, 55,000 lbs. rated lift capacity with swivel type sand shoes. |
| Frame | Welded aluminum construction, load bearing. |
| Bracing | Stainless steel, with cross brace. |
| Crank location | Crank handle located on roadside |
| Tire carrier | None. |
| Suspension | Hendrickson Intraax AANT23K, 23000 lb., tandem axle with standard 49in axle spacing. 5.75in diameter Hendrickson integrated axles. |
| Hangers | Galvanized hangers with soft coat applied to axle and trailing arm. (Bolt-on suspensions with aluminum subframe only) |
| Dump valve | None |
| Subframe | Extruded aluminum sub frame, standard width, with aluminum fender supports. |
| Bumper | Aluminum, straight, weld-on. D.O.T. code, per FMVSS223 |
| Under-ride Protection | None (no under ride required, Wheels back exempt.) |
| Beam | Straight |
| Track | 71.5in track |
| Spindle | OEM Standard P spindles (parallel) same inner and outer bearing |



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| Wheel seals | OEM Standard |
| Hub & drums | Ready to Roll, Duralite Hub with Centifuse Drum. |
| Miscellaneous | None |
| 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 Standard - Long stroke |
| Brake lining | OEM Standard Extended service, non-asbestos |
| Slack adjusters | OEM automatic slack adjuster. |
| Valves | OEM Standard |
| Gladhands | Gladhand, Phillips, Quick Release |
| Air system | Two 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. |
| * Front | Single contour ribbed front fender. Mounted one side of trailer, hose trough doubles as fender. |
| * Rear | Double contour ribbed rear fender. Mounted one side of trailer, hose trough doubles as fender. |
| Mud flaps | White, anti-sail and anti-spray with Polar logo, mounted front and rear. |

Valving and Piping

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| Seal provisions | None |
| Sump | 4in aluminum drain pocket |
| * Emergency Valve | Betts 4in EV46455ALTS, 90 degree aluminum, air operated, tapered Teflon seat and victaulic outlet. To simplify piping, a straight valve may be used in place of an elbow style. |
| * Emergency Valve Operator | Betts air control panel. Emergency closure located at front head curbside. |
| * EVO Lines | Air tubing |
| * EVO Location | Mounted in EVO portion of large cabinet. |
| Pipe | 4" aluminum schedule 10 pipe, with large radius elbow, ending curbside center at aluminum locator bracket with flanged outlet. |
| Discharge location | Curbside of trailer. |
| * Outlet valve | Dixon/Bayco openable API adaptor with aluminum handle and sight bubble. #5204. Specify qty. |
| * Adaptor | Dixon Bayco 4" aluminum male gravity drop adaptor(s) with cap(s) and chain(s), Baylast seal. #4540. |

Interlock

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|---------------|-----------------------------|
| Interlock bar | No interlock bar installed. |
|---------------|-----------------------------|



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- * Interlock valve 2 Bayco #5000AI air interlock valve with round button.
 one located on API adaptor and one on rear vapor outlet

Venting and cleanouts

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|-----------|--------------------------------|
| Pressure | None |
| Vacuum | None |
| Cleanouts | None |
| Cleanouts | 2 3in aluminum threaded nozzle |
| Caps | 2 3in T316 solid cap |
| Caps | None, No caps installed. |

Walkway and Ladder

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| Top center | Non-skid tape, full length of barrel between overturn rails. |
| Ladder | Aluminum tubular walk through, with serrated rungs and large platform step, and integral grab handles. |
| Ladder Location | Mounted at rear head, centered. With step below bumper. |

Cabinet

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| * Cabinet | Aluminum cabinet 32" high X 48" wide X 26 1/2" deep, three door, two compartment cabinet. Two doors on the fitting compartment and one door on the emergency valve operator compartment, held open with gas operated door stays. |
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Overfill system

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| * Overfill system | Dixon Bayco, Flo-tech FT208-390PGSO, Checkmate Plug-n Play two wire system, with one top optic sensor (per compartment). Includes dual socket box (optic and thermistor sockets with internal ground bolt and pressure switch wired to auxiliary. System has complete plug-in harness. Monitor and sockets on one panel. |
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Vapor Recovery

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| Provisions | 3in pipe stubs in curbside overturn rail, near manhole. |
| * Vent | 3.5in Betts #AVT3.5ALTS sequential vents, air operated for 16in manhole. Plumbed to Emergency valve operator. Threaded. |
| * Line | 4in aluminum pipe, through barrel with shear section, with one outlet to curbside over rear of rear fender and one outlet curbside 15in to rear of discharge valve area. |
| * Adaptor | 2 Bayco 4in x 4in, vapor recovery adaptor, without poppet and interlock mount. Threaded. #VR4100NP. Specify qty. |
| * Cap | 2 Bayco 4in orange nylon vapor cap, with chain. #VR4050PL. Specify qty. |

Miscellaneous

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| Decals | Standard warning and safety package. Decals in English. |
| Conspicuity Tape | Discontinuous tape |



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| Customer Logo | None |
| Document holder | Truck Lite 97960 Certificate Holder. Install in standard location unless otherwise specified. |
| Calibration | Computer generated theoretical calibration chart, 1/4in increments. Based on innage. |
| * Placards | Four Aluminum slide-in on brackets, one mounted each side of trailer. |
| Paint | None. No paint or primer installed on trailer. |
| Fire Extinguisher | None |
| Warranty | Polar standard two year. |
| Tests | Standard testing. |
| Drawings | None. |