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## **STOCK #15006**

### **TANK SPECIFICATIONS**

- SIZE:** 2700 Gallons plus normal overage.
- MODEL:** AL5D  
See pictures of this style tank on our website at [trucktanks.com](http://trucktanks.com) on-line catalog.
- CERTIFICATION:** Tank is manufactured to DOT 406 specifications under ASME (American Society of Mechanical Engineers) U Stamp #27,488 and Department of Transportation Registration #CT-6342. A DOT 406 Certificate of Compliance will be issued by Oilmen's Truck Tanks.
- PRODUCT:** Petroleum Products. (As is always the case, it is the responsibility of the operator to load tank so as to comply with Federal and State Highway weight limits.)  
(NOTE: There are many new products coming to market such as Ultra Low Sulfur Diesel, Ethanol Blends and Bio Diesel. It is not known at this time what effect these new blends will have on traditional materials used in petroleum delivery units.)
- COMPARTMENTS:** (4) 800-700-700-500 Gallons
- DESIGNED FOR:** Freightliner cab and chassis with 138" cab to axle dimensions and 12,000# minimum rated front axle and 21,000# minimum rated rear axle. (Note: Tires, springs, axle and frame must meet these minimums.)
- MATERIALS:** Bright polished aluminum. Tank is constructed with a continuously welded 3/8" extruded angle subframe, 3/8" extruded aluminum cross members and 3/8" outriggers with pads at every head and baffle location. Also a nose pad covering the seam between the front head and the bottom is included for extra strength. This type construction is used in the finest of trailers and results in long, trouble free life even in off the road conditions.

The tank bottom is 1/4" (.250") aluminum with side shell of 3/16" (.188") aluminum. Our entire shell and heads are of bright polished finish. (This polished finish is not standard on competitive brands.)

**MOUNTING SYSTEM:** Tank is anchored to the truck chassis by a series of specially designed two-piece tie down assemblies. The two halves of the tie down are locked together in such a way that both side to side and front to back movement are prevented, while securing the tank to the chassis.

A maintenance-free neoprene strip cushions and insulates the tank from the truck chassis.

**HEADS:** Tank is semi-oval in shape with deep dished heads and baffles for superior surge control. All heads and baffles are flanged for greater strength. Head patterns of our own special selection result in low center of gravity. All heads and baffles are formed to precise dimensions resulting in a shell of extraordinary smoothness and strength.

**BULKHEADS:** Double bulkheads with vented drain space between compartments allow for the safe transportation of mixed product loads.

**BAFFLES:** If the compartment is large enough for baffles to be required under D.O.T. 406 regulations, then these are included as standard equipment.

**OVERTURN PROTECTION:** The overturn protection to D.O.T. 406 specifications is of 3/16" (.188") aluminum and is an integral part of tank so as to prevent any leaking from top.

Both overturn rails are the closed inverted "U" type with the curbside rail being air tight and used for the vapor recovery line.

**MANHOLES:** Premium grade Betts 16" round, lift-out type with 10" quick opening lockable fills and D.O.T. 406 approved venting. Unless requested otherwise, the manholes are offset to the curbside (right) for wide walkway down the roadside (left) of the tank.

- POSITIVE VENTS:** Positive action Civacon air vents provided in each manhole covered with aluminum vent hood and aluminum stub out attached to rail in such a way as to restrict water/rain from entering vents.
- MODEL AL5D:** Tank is a modified "Bikini" style with full rear head behind a large rear equipment canopy, which can accommodate one or two inverted hose reels. This canopy opens both to the curb and driver's side with rollers/guides on both sides for ease of delivery. The meter box, directly under the canopy, is of heavy-duty steel and has aluminum cover with (2) aluminum fold down doors with slam lock hardware.
- TOP WALKWAY:** Each tank is provided with wide walkway area between the overturn rails with expanded aluminum providing a non-skid surface for safe footing.
- MARKER RODS AND DISCS:** A heavy duty marker rod and brass disc, approved by all states, is provided in each compartment. For maximum protection, the markers should be set and sealed by a State Weights and Measures Official of the state where vehicle operates. Most states provide this service at no charge.
- DRAIN TUBES:** (2) Drain tubes are provided from the flashing area at the rear of the tank to assure that no water accumulates on top of the tank.
- BUMPER:** A heavy-duty bumper per D.O.T. 406 specifications protects rear of tank.
- EXTERNAL HOSE TUBES:** Gravity hose storage is provided on driver side and curb side by an aluminum 6" hose tube which will accommodate 3" hose and couplers.
- CABINETS:** 65" Cabinet on driver side is weld on type aluminum with reinforced double doors. Doors have positive close pin latches with "D" handles that are recessed. Doors have continuous stainless steel hinges and hold open springs.
- PIPING:** Piping includes 4" bolted sumps, over-sized 4" air emergency valves and 4" pipe lines. This larger capacity results in much faster discharge rates. Pipelines on this model are a full 40% thicker than those found on most competitive tanks.

Lines are run to the curb side terminating in 4" bottom loading adapters.

NOTE: Pipe lines are color coded for safety of operation and ease of maintenance.

- SUCTION PIPING:** (4) 2" Lines are piped below the 4" lines for off-loading through the two (2) pumps. These lines terminate in 2" male OPW dry break adapters.
- STATIC CABLES:** Static cables from manhole collar to bottom of tank are supplied in each compartment.
- EMERGENCY VALVE:** All emergency valves are air operated. Air operated fire trip is provided on front driver's side.
- FENDERS:** Bolt-on aluminum trim single axle fenders are provided.
- LADDERS:** Heavy-duty aluminum ladder extending up center of rear head from bumper to flashing area. Ladder is constructed with non-skid steps and guard rails for safe access to tank top. Ladder is bolt on for ease of repair.
- WIRING/LIGHTING:** All wiring in tubing is vapor proof. Lighting complies with ICC/D.O.T. regulations and include: (2) 5" stop and tail, (2) 5" clearance and directional, (2) back-up lights and (1) 3-lamp cluster. There are four side riding lights and all necessary reflectors are included. All lights are Betts LED type with snap seal lenses.
- SYSTEM IDENTIFICATION:** Pipe lines, switch panels, and airline protection are color coordinated to facilitate system identification and troubleshooting.
- PAINTING:** Painting of bumper or other steel parts including sanding, applying an additional epoxy prime coat, and spraying with (2) finish coats. Paint job to be (1) color with Oilmen's Truck Tanks to furnish PPG paint, a premium grade acrylic urethane paint.
- MATERIALS AND CONSTRUCTION:** All materials and construction methods meet or exceed Department of Transportation 406 regulations. A Certificate of Compliance will be issued with tank.

LETTERING/DECALING: Custom decaling is available as an option.

Tank, all labor to mount, and make electrical connections is included.

***BOTTOM LOADING, VAPOR RECOVERY AND BRAKE LOCK SYSTEM***

BOTTOM LOADING ADAPTER:	(4)	4" EBW Openable Loader with Handle
GRAVITY DROP ADAPTER:	(4)	4" X 3" with Keeper Chain
DUST CAP:	(4)	3" with Restraining Cable
INTERLOCK VALVE:	(4)	Air operated valve mounted on each bottom loading adapter.
DEFLECTORS:	(4)	OEC type which controls splash above sumps.
MANHOLE COVERS:	(4)	Betts 16" with 10" offset fills, vent and probe openings.
STATIC WIRES:	(4)	Stainless steel braided cable from cover to splash deflector.
POSITIVE VENTING:	(4)	OPW/Civacon 3-1/2" Air vent with aluminum hood.
VAPOR RECOVERY LINE:	(1)	Air tight line full length of tank.
RECOVERY ADAPTER:	(1)	4" Vapor recovery adapter with built in poppet check valve.
DUST CAP:	(1)	4" Vapor Recovery Dust Cap
BRAKE INTERLOCK VALVE:	(1)	Air valve with limit switch (required for vapor recovery).
CONTROL VALVE:	(1)	Schrader Air Valve
SECONDARY VENTS:	(1)	4" Betts Inbreathing
	(1)	4" Betts Outbreathing

- GROUNDING STUDS: (1) Set of (2) Brass
- SCULLY SYSTEM: (1) Intelli-Check System - Contains Scully Super Optic Probes, Scully On-Board Control Monitor for the versatility of loading at terminals equipped with optic, thermistor or fleet control units.
- SOCKET: (1) Scully SJ-6S for Thermistor
- SOCKET: (1) Scully SJ-6W for Optic
- NOTE: Air lines are color coded to match Scully wiring for safety of operation and ease of maintenance.
- GROUNDING BOLT: (1) Scully Static for Groundhog System
- MISCELLANEOUS: (1) Set elbows, air lines, fittings, support brackets and ties.

All material, labor to install system, test for vapor tightness and check out equipment. Included will be a Wet Test Certification and a 60 Gallon Certification.

### ***PUMPING EQUIPMENT***

#### (2) Sets of equipment to include:

- PUMP: (2) Blackmer TXD2 ½ A with relief valve.
- STRAINER: (2) 2" Flanged type.
- PUMP BRACKET: (1) Heavy duty saddle type.
- METER: (2) 2" Liquid Controls with air eliminator, strainer and zero start register with cumulating totalizer.
- BACK PRESSURE VALVE: (2) 2"
- AUTO STOP: (2) 2" Valve with preset counter.
- TICKET PRINTER: (2) Zero start type.

SPRAY CONTAINER:	(2)	Two gallon capacity for air eliminator with air vent and drain valve.
HOSE REEL BYPASS:	(1)	2" Legal product directional valve located between meter and reel with 2" adapter and cap.
METER MOUNT PLATE:	(2)	1/4" Aluminum for extra strength.
HOSE REEL:	(2)	1 1/2" Hannay electric rewind with vapor proof motor and solenoid switch.
BATTERY CABLE:	(2)	Industrial grade for electric hose reel.
CIRCUIT BREAKER:	(1)	70 Amp breaker with 9 amp fuse for protection of reel switch and motor.
FUEL HOSE:	(2)	100' x 1-3/8" Goodyear Redwing with Scovill fittings.
NOZZLE:	(2)	1-1/2" Aluminum automatic with check valve and hose swivel.
JUMPER HOSE:	(2)	Special highly flexible 2" Goodyear.
JUMPER HOSE SUPPORT:	(1)	Two-Bar support rack for jumper hoses is provided.
COUPLER:	(2)	2" OPW female dry break coupler.
POWER TAKE OFF:	(2)	High speed, double gear clutch shift with air controls in rear and safety light located in cab.
BRAKE LOCK:	(2)	Automatic PTO release type.
DRIVE SHAFT:	(2)	High torque drive line with spline slip joint and (3) grease fittings.
PLACARDS:	(4)	Flip Type Included
PLACARD HOLDER:	(4)	Included
FIRE EXT.:	(1)	10# with bracket included.
TRIANGLE KIT:	(1)	Included

BUCKET:	(1)	5-Gallon DOT approved heavy duty metal bucket.
SPILL PADS:	(1)	Case emergency absorbent pads.
NOZZLE HOLDER:	(2)	Included
DUMMY ADAPTERS:	(2)	Included
MUD FLAPS:	(1)	Set D.O.T. approved anti-spray.
PARTS LIST:	(1)	Detailed parts list of each major component of pumping system including serial numbers and model numbers of pumps, meters, and reels.

All equipment, labor to mount, check out system and calibrate meter included.

### **TRUCK SPECIFICATIONS**

CHASSIS MANUFACTURER:	2010 Freightliner M2-106 ( <i>07 emissions</i> )
CA:	138"
FRONT AXLE RATING:	12,000#
REAR AXLE RATING:	21,000#
GROSS WEIGHT RATING:	33,000#
REAR SUSPENSION:	23,000#
ENGINE:	Cummins ISB
HORSEPOWER, TORQUE:	240 HP, 620 Ft. Lbs. @ 1600 RPM
TRANSMISSION:	Allison 3000 RDS 5.86 RAR
STEERING:	Power
FRAME:	11/32" x 3 1/2 x 10-3/16 120ksi
FRONT TIRES:	11R 22.5 14 Ply
REAR TIRES:	11R 22.5 14 Ply
WHEELS:	Steel Disc
BRAKES:	Air
COMPRESSOR:	18.7 CFM
ALTERNATOR:	160 Amps
BATTERIES:	(2) 1850 CCA
DRIVER'S SEAT:	Air
PASSENGER SEAT:	Fixed
FUEL TANK:	50-Gallon
EXHAUST:	Vertical Polished
AIR CONDITIONING:	Yes

MIRRORS:

West Coast with Spots

RADIO:

AM/FM/CD

COLOR:

White

ADDITIONAL EQUIPMENT:

Chrome Bumper, Grill, & Intake

Fuel/Water Separator

Cruise Control

Air Dryer

Air Horn

Exhaust Brake

Front Tow Hooks





