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GENERAL

The following equipment shall be a new West-Mark DOT-407/412 tandem axle semi trailer.

OVERALL LENGTH: Approximately forty-three feet six inches (43' 6").
 PRODUCT: MISC Chemicals
 PRODUCT WEIGHT: 13 lbs./gallon.
 CODE VESSEL: DOT 407/412.
 OPERATING PRESSURE: 35 PSI maximum.
 VACUUM RATING: Full Vacuum (29 in./Hg).
 OPERATING TEMPERATURE: One hundred twenty-five degrees Fahrenheit (125° F) maximum.
 Negative twenty degrees Fahrenheit (-20° F) minimum.
 INTENDED AREA OF OPERATION: State of California.
 INTENDED USE: Highway only.

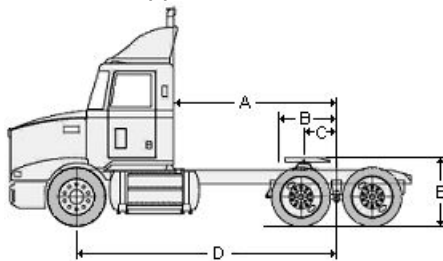
PASSIVATION:

None. (Available as option upon request and may be recommended for the product specified herein)

TRACTOR

TRACTOR:

Customer supplied.



A= BACK OF CAB TO TRUNION
 B= FIFTH WHEEL SLIDE LENGTH
 C= FIFTH WHEEL OFFSET
 D= WHEELBASE
 E= FIFTH WHEEL HEIGHT

FRONT AXLE WT. LBS. F TANDEM AXLE WT. LBS. G

(Note: weights are based on tractor full of fuel and with driver.)

A= _____ D= _____ G= _____
 B= _____ E= _____
 C= _____ F= _____

(Customer to supply chassis info. at time of order.)

If information is not supplied at time of order, West-Mark will use its standard typical setup. Any information supplied after engineering package has been released to production, that requires set-up changes, will be done at additional charge to customer.

TANK / MANHOLES / VENTING

BARREL:

5500 Gallons round, straight barrel, with slope to rear. The barrel shall be made from 1/4" T-316/T-316L stainless steel finish material.

Note: Plate shall be ordered to a National Standard such as ASTM, tolerances shall be in accordance with that specification. Imperfections may exist in the finished plate that do not reduce the thickness at any point beyond the permissible variance in dimension for specified plate.

Tank shall also include an additional 3% gallons (minimum) for outage which is required on all code vessels.

HEADS: Two (2) each stainless steel, T-316, 1/4", 100% dished and flanged.

HEAD FINISH: Outside of heads to be spin polished.

BAFFLE(S): Two (2) each stainless steel, T-316/ T-316L, 1/4", 100% dished and flanged.

RINGS: Stainless steel channel sections, fully welded to shell.

WINGS AND BOLSTERS: Shall be made of stainless steel.

SIDE FILLERS: Stainless steel with coupler plate adjustment rails.

WELD FINISH:

INTERIOR: Weld finish to be W-1 inside.

EXTERIOR: Weld finish to be W-2 outside.

MANHOLE:

Three (3) BETTS 20" 8350 full opening, T316L stainless steel ASME with 6 hold downs and a hinge stop for keeping the lid off the shell when open. 50 psi MAWP.

Gasket to be Viton.

CLEANOUT(S):

None. (Available as option upon request)

VENTING:

One (1) each DOT407-412 Fort Vale R408 42 PSI 2" HG VAC Vent with 3/4" pressure package, consisting of a pressure gauge, ball valve, and a Chicago coupler, mounted on a 3" nozzle. An additional gauge shall be provided at the rear of the trailer facing plumbing.

CHARGE LINE:

None. (Available as option upon request)

INSULATION:

None. (Available as option upon request)

LEVEL GAUGE:

One (1) Each stainless steel liquid level mechanical float ball assembly. Dial indicator to have stainless steel backing plate with laser cut or laser etched markings indicating tank capacity at E, 1/4, 1/2, 3/4, and F.

Located at rear head.

LADDERS / WALKWAYS / SPILLDAMS

SPILLDAM:

Three (3) Each stainless steel construction with drain hoses each side. Overturns to be stainless steel box type, per D.O.T. specifications.

OVERTURNS:

Stainless steel box type located at ends of vessel if required per D.O.T. specifications.

LADDER:

One (1) aluminum tubular, with West-Mark heavy duty slip resistant steps, 12" wide aluminum slip resistant platform work station with guard rails outside of platform and hand rails down sides of ladder; located curbside. Step will be between 18" and 22" from the ground.

One (1) each set of additional step(s) up to spilldam to be installed if needed.

LIGHTS AND WIRING

ELECTRICAL SYSTEM:

System shall be 12-volt, 7-way, and vapor proof. All lamps shall be L.E.D. type and locations shall meet all D.O.T. requirements. A stainless steel license plate bracket shall be located on top of rear bumper near roadside bumper upright. All lenses to be clear.

TAIL & TURN: 8 each model 44 type in 4-hole, stainless steel boxes; 4 red each side.

CENTER ID: Three (3) each red L.E.D. Truck-Lite model 30 (#30090R) 2" round high profile clearance lights shall be mounted at rear per D.O.T. requirements.

REAR MARKERS: One (1) each red model 30 marker lamp located at end of each light box.

CENTER TURNS: One (1) each amber model 60 oval turn/ marker light shall be mounted @ center or forward of center each side if required by D.O.T.

FRONT MARKERS: One (1) each amber model 30 light shall be mounted to the front corner of the front fender at 45° on each side of unit.

SECURITY RINGS / MOUNT COVERS: None. (Available as option upon request)

REFLECTORS:

To be mounted per D.O.T. specifications.

CONSPICUITY STRIPING:

To be installed at sides and rear per D.O.T. specifications.

FRONT RECEPTICAL:

Truck-Lite 7-way nosebox (model #50806) with 15 amp circuit breakers and front access to cable hookup, mounted on a stainless steel bracket between glad hands.

PLUMBING

OUTLET:

6" 90° Elbow out bottom rear of tank plumbed to a stainless steel Clearflow air to open/spring to close sliding gate valve. No secondary valve shall be supplied. (Available as option upon request)
Plumbing to end in 6" stainless steel Camlock adapter and cap with chain.

RISER PIPE LOAD LINE:

4" Stainless steel riser pipe elbowed out bottom rear of tank (out tank head when head is of the opening style) with a 4" Stainless steel Clearflow sliding gate valve ending with 4" stainless steel Camlock and cap with chain.

HYDRAULIC LINES:

Stainless steel hydraulic lines from front of trailer over front fender and hoses to pump. One stainless steel pipe for pressure and one stainless steel pipe for return line. Lines shall be sized properly for flow and pressure; butterfly fittings at front of unit.

HYDRAULIC CONTROLS:

One (1) each directional control valve and one (1) each speed control valve shall be installed in hydraulic system. Controls to be located near pump.

PUMP:

One (1) each Fruitland 870 series, 501 CFM vacuum/pressure pump installed at landing legs.

UNDERCARRIAGE

KICK PLATE:

To be installed at front of unit and to be of stainless steel construction.

KING PIN PLATE:

Adjustable upper coupler, mild steel.
48" Ride height, unless noted otherwise in tractor spec's above.
King Pin to be located: _____

WEAR PAD:

None. (Available as option upon request)

LANDING GEAR FRAME:

Frame to be stainless steel construction.

LANDING LEG SUPPORTS:

Stainless steel pipe style from legs up to crossmember and to rear of subframe with lower leg supports for aluminum landing legs.

LANDING GEAR:

JOST square leg, 2-speed, steel, sand shoes, 50,000 lb. lift, 160,000 lb. static load capacity.
Crank located on curbside.

REAR SUBFRAME:

Stainless steel construction for a tandem axle suspension.

LIFT AXLE(S) - LOCATED AT FRONT OF REAR TANDEM

• SUSPENSION:

One (1) Hendrickson Turner air ride lift only (AAL/LDA).
17" ride height, weld-on wingless hangers
Control box located at front of rear subframe.

• AXLES:

One (1) 23K, 5.75" round, 71-1/2" track
10 stud on 11.25" centers ConMet Preset aluminum hubs with HUB piloted mounting
HP spindles (same inner and outer bearings)
Chevron Delo semi fluid grease
Tire Max® tire inflation prep

• BRAKES:

16-1/2" X 7", 28 spline S-Cam, balanced fused drums
16.5" x 7" HXS Abex 3030-197 non-asbestos brake lining
Hendrickson's standard chambers and automatic slacks
Tone rings for ABS system

DUST SHIELDS:

None. (Available as option upon request)

LIFT KIT:

One (1) each Hendrickson UBL-002 to lift Intraax AAL suspension.

AIR CONTROL KIT:

One (1) Hendrickson Turner air control kit shall be supplied for the lifting operation of the lift axle(s). Controls shall be located _____.

WHEELS:

Alcoa mirror polish
INNER: Alcoa Machined

TIRES:

Continental 295/75R 22.5 EcoPlus HT3

SUSPENSION:

One (1) Hendrickson Turner air ride (AAT23K).
17" ride height, weld-on wingless hangers

AXLES:

One (1) 23K, 5-3/4" round, 71-1/2" track
10 stud on 11.25" centers ConMet Preset aluminum hubs with HUB piloted mounting
HP spindles (same inner and outer bearings)

Chevron Delo semi fluid grease
Tire Max® tire inflation prep

BRAKES:

16-1/2" X 7", 28 spline S-Cam, balanced fused drums
16.5" x 7" HXS Abex 3030-197 non-asbestos brake lining
Hendrickson's standard chambers and automatic slacks
Tone rings for ABS system

DUST SHIELDS:

None. (Available as option upon request)

WHEELS:

Alcoa mirror polish
INNER: Alcoa Machined

TIRES:

Continental 295/75R 22.5 EcoPlus HT3

HEIGHT CONTROL (SUSPENSION SPECIFIC):

One (1) Each height control valve.

DUMP VALVE:

Manual dump valve to be installed.

TIRE MANAGEMENT SYSTEM:

None. (Available as option upon request)

BUMPER:

Carbon steel D.O.T. code 4" x 8".

UNDERRIDEMENT:

One (1) carbon steel underride bumper shall be installed at rear of unit if required by D.O.T.

BRAKE SYSTEM:

To be built to D.O.T. specifications, WABCO 4S/2M IABS with ROLL STABILITY system and Aluminum air tank(s). IABS malfunction/ operation light located on front fender bracket of roadside rear fender, facing forward, per D.O.T.

FRONT FENDERS:

Aluminum contour, ribs down.
Stainless steel fender pipe mounting with U-bolts and under straps.
Mudflaps at rear of front fenders to be WHITE, poly, anti-spray type.

REAR FENDERS:

Aluminum contour, ribs down.
Stainless steel fender pipe mounting with U-bolts and under straps.
Mudflaps at rear of unit to be WHITE, poly, anti-spray type. Mudflap mounting to meet SAEJ682 standard.

MISC. ITEMS

CABINETS:

One (1) Stainless steel single door 30" W x 24" H x 24" D with stainless steel hardware and lockable latch. Drill drainage holes in bottom of cabinet.

Located at front of rear subframe.

CABINET LIGHT:

None. (Available as option upon request)

DOOR STAYS: None. (Available as option upon request)

LOCATION: Cabinet located at belly of tank in front of rear subframe with door(s) to roadside.

PUMP PLATFORM:

Stainless steel pump platform located rear of landing legs with road debris shield at front and 1-1/4" lip around all sides at base for spill containment.

PADLOCK SECURITY SYSTEM:

None. (Available as option upon request)

HOSE TRAY:

Two (2) Each 22" wide x 20' stainless steel tray(s). Located one each side.

PLACARD MOUNTING:

One (1) placard to be mounted at each front, rear, and one (1) placard to be mounted on each side of trailer at easy to reach locations.

PLACARD HOLDERS:

Four (4) each slide-in type with clip.

PLACARDS:

None. (Available as option upon request)

CERTIFICATE HOLDER:

Betts PS-1 (#820012) document holder with spring.

Mounted on landing leg subframe (roadside).

PAINT:

One (1) Color Acrylic Urethane paint on suspension and on all carbon steel fabricated parts.

Color to be Gloss Black.

(Note: some colors may require additional charges.)

INSPECTION DECALS:

HM-180 inspection form and VIKP decals shall be provided with unit.

CALIBRATION:

Theoretical, in 1/4" increments, complete with charts.

MANUALS:

One (1) each operation and maintenance manual(s) on a USB Drive shall be supplied and shipped with unit; complete with the following:

- Operator & maintenance manual
- Calibration chart (if applicable)
- Equipment parts list
- Misc. vendor literature / manuals

WARRANTY:

Unit shall be guaranteed to be free from defects in material and workmanship, while under normal use and service by the original purchaser, for a period of ONE (1) year from the date unit is delivered.

F.O.B.:

West-Mark

581 Industry Way

Atwater, CA 95301.

(F.O.B. destination available as option upon request.)