



**FRP ACID/CHEMICAL TRANSPORT – 5400 GALLON  
MODEL: F412540010FRP**

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**Design**

Unit is a straight round 5,400 Gallon, one compartment DOT412-407/SP-12516FRP Fiber Reinforced Plastic chemical trailer

**Tank**

5,400 Gallon nominal, one compartment DOT412-407/Special Permit-#12516 rated transport constructed of DOT SP-12516 fiber reinforced plastic with Derakane 441-400 vinyl ester BPO cure, C-veil, Nexus veil, high bake post cure. Transport is equipped with the following:

- Smooth external white painted finish
- One 18" FRP bolt down manhole with 10" fill
- Cradle design with tank straps and plastic bolster covers over transition area
- Rear outlet discharge and Top upload outlet
- Air injection line
- 35 PSI pressure relief (design for full vacuum)
- Air ride suspension with roll stability
- Bumper to meet DOTPHMSA and NHTSA rules
- 12 Volt LED lights, turn signals and markers
- FPR spill dam with DOT overturn protection
- SS ladder mounted to curbside below spilldam
- Aluminum 12" walkway diamond type at 2:00 position full length of spilldam
- One FRP hose trough
- DOT placard holders
- Calibrated gauge chart in 1/4" increments

**Outlet/Piping**

All piping will be constructed of PVC with FRP wrap; outlet and flanges are PVC material. Plastic coated on all caps in the outlet and piping area. 4" flanged Butterfly emergency valve with Haylar line, air over spring actuator; air over spring actuator, air switch located on curbside running gear, remote air switch

located at front roadside of trailer. 3" PVC/EPDM butterfly rear discharge outlet pointed to rear with PVC camlock style adapter and cap. 3.5" flanged PVC nozzle on top centerline at rear with blind flange for future top unload

### **Vents**

One 3" pressure relief vent set at 35 PSI rated at a test pressure of 52.5 PSI located in spilldam area with overturn protection. No vacuum relief, tank is designed for full vacuum

### **Chassis**

23K Standard air ride suspension tandem with roll stability anti-lock brake system. Eight steel wheels and 14 ply tires with front and rear aluminum fenders. Standard fifth wheel plate with 2" adjustment and 2-speed landing gear with sand shoes

### **Electrical**

12-Volt plug in system with 2-hole rear brake/turn lights in stainless steel boxes mounted at rear. All side marker lights tied into the turn signals

### **Accessories**

FRP spilldam located at rear of tank surrounding manhole with top of tank as floor, vent with DOT overturn protection and walkway at 2:00 position curbside with handrail. Stainless ladder located at curbside below spilldam to walkway. One 4" X 12" X 25' FRP hose trough with drain, mounted curbside (hoses are not supplied).

### **Hydro Test**

Hydro Test is performed on each tank after completion and certified for no-leaks with Certificate of Compliance issued

### **Finish**

Tank shall be smooth finish exterior painted white shell and head over DOT SP-12516 fiber reinforced plastic. Liner made up of Derakane 441-400 vinyl ester BPO cure, C-veil, Nexus veil, high bake post cure