

# Gallup Agitation Systems Inc.

## **Basic Operation Guide Lines**

The agitator is designed to work best using a minimum of four cubes of liquid. Before unloading it is recommended to check hydraulic pressure while system is engaged. The hydraulic pressure gage is located at the rear of the truck on the driver side. Correct levels are approx. 1500psi with agitator valve open and approx. 1000psi with valve closed. Incorrect pressure levels indicate a problem within the system

The agitator is designed to perform with minimal run time. This greatly reduces wear and tear. The best method of agitation requires the truck to be idling between 1200-1300rpm and system engaged for minimum 10 minutes before unloading. NOTE :Heavier shale requires longer agitation. Start agitation beginning with agitator valve closed then open valve for remaining time.

To unload first ½ to 1/3 of tank we recommend using only rear jet (agitator valve closed). Once tank has been partially emptied open agitator valve to engage remaining three jets. Raise vacuum tank to first stage of lifting\* (only when safe to do so). Unload remaining fluid while operating all four jets. Once load is empty, immediately disengage system by turning agitator PTO off.

## **Quick Reference**

### **Mud/Shale**

- engage agitator
- check pressure gage  
(approx 1500psi open approx 1000 closed)
- truck must be idling between 1200-1300rpm, agitate back to front  
( 10 minutes or more depending on amount of shale)
- unload ½ to 1/3 of tank with agitator valve closed
- raise tank to first stage of lifting (only if safe)
- open valve
- unload remaining shale/fluid
- immediately disengage

### **Cement**

Note\*\*\* When loading cement additives are required to help prevent cement from setting up in tank.

- begin agitation immediately after loading
- continue agitation until unloaded
- flush system by agitating following load

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