Practical Application Guide Sheet

Brush Truck – Static Water Source

Driver Performance Competency: The driver candidate shall display proficiency in obtaining water from a static water source (pond, folding tank).

1. Select drafting site ensuring adequate water depth and accessibility. ___________

2. Explain viable options to increasing water depth if necessary. ___________

3. Stop brush truck and apply proper braking system. ___________

4. Obtain hard sleeves, check gaskets, ensure that connections are airtight. ___________

5. Choose appropriate strainer for hard sleeve – explain differences in the strainers. ___________

6. Place hard sleeve in static water source – ensure that strainer is 18” off the bottom in static source; 2”-3” for folding tank. ___________

7. Recheck all connections, drains and valves to ensure airtight. ___________

8. Start pump. ___________

9. Set engine RPM to speed that will allow for drafting. ___________

10. Operate primer for no more than 20 seconds. Check for water/oil discharge from primer. If no change in vacuum gauge, re-check all connections, drains and valves for airtight. Exhaust Primer may be operated longer than 20 seconds. ___________

11. Increase throttle setting prior to opening any discharges until pressure is between 50-100psi. ___________

12. Open desired discharge valve slowly and observe discharge pressure. If pressure drops below 50psi – stop. Operate primer again if necessary if pressure continues to drop. ___________

13. Set pump to desired pressure. ___________

14. Setup and charge an unused line back into static water source to keep water circulating. ___________

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15. To shut down operations – slowly decrease throttle to idle. Take pump out of gear and allow pump to drain.

16. Lubricate priming pump.

17. Back flush pump with clean water as soon as possible.