

Lebanon Driver / Operator Qualifications

Engine 511 & Service 514

Prerequisites

1. Signed off on Engine 512

Driving

1. Engine 512 Driving items 1-3 plus.
2. Understands the use of the aux. braking system including conditions where its use can be detrimental.
3. Knows why it is advantageous to have a supplemental braking system on an emergency vehicle.
4. Knows what direct effect a supplemental braking system has on stopping distance.
5. Understands the interaction between the ABS and the supplemental braking system.
6. Understands how and when the ATC works.

Equipment

1. Engine 512 Equipment items 1-4 plus:
2. Knows how to determine which the door ajar light is on.
3. Knows how to raise the cab and lock it down.
4. Know the difference between the engine amber warning light and the red engine trouble light and the procedures to follow for each case.
5. Generator start and stop procedures

Pumping

1. Engine 512 item 1-23 plus:
2. Difference between a normal pressure relief valve and a total pressure relief valve system.
3. Front intake including separate primer control, intake valve and drains.
4. Operational differences for mechanical seal.
5. Use of the MIV including 2 methods of opening and closing, two methods of bleeding air (and knows when this needs to be done) and two visual indicators of the valve's open/closed state.
6. Entend-a-gun
7. Differences in jet-dump procedures from Engine 512.
8. Correct setup and operation when using AFFF
9. Use of dual tank-to-pump valves including use of electric valves and override procedures for electric valves
10. Knows the fastest method of filling booster tank for shuttle operations (and why).
11. Knows the location of each pressure relief valve and when it would open.

Lebanon Driver / Operator Qualifications

25. Positive displacement pump / Centrifugal pump

Pump cooler and Aux cooler