



## Air Brakes.

*Wheels are chocked, transmission in neutral brakes are applied. (you need to say this at the starting of your inspection.)*

**Low Air Warning-** starting pressure is 100 PSI. (*Pump Brake*) low air warning device activated at 60 PSI, which is good because it more than 55 PSI. Read Major defect D or verbally IF it fails to activate below 55 PSI or system fails to activate or system remain activate, it is a MAJOR defect. *Call my operator ... ..*

**Slow Air Pressure Build Up-** I am going to perform slow air pressure build up from pressure 85-100 PSI in 2 mints with RPM 600-900. Starting pressure is 100 PSI, (*Pump Brake*) pressure is 70 PSI, but I will start test at 85 PSI, RPM is between 600-900, pressure is 85 PSI, time start, Pressure is 100 PSI, time stop. It took me 18 seconds to build my pressure from 85 - 100 PSI which is good, because it took me less than 2 minutes, Read MINOR b or Verbally IF it takes more than 2 minutes it is a MINOR defect. *Call my operator ... ..*

**Audible Air Leak-** I am going to perform Audible air leak in 1 minute, starting pressure is 100 PSI. BOTH parking brakes IN, truck switch off. Step on Brake (Apply Full-Service brake) & Start time (*Simultaneously*) pressure is 95 PSI. (listen for any air leak out of the window for 10 to 15 seconds) NO audible air leak from airlines outside, (*monitor pressure gauges until 1 minute is complete*) i did not lose any pressure my pressure is STILL 95 PSI, which is good because I did not loss (*release service brakes, pull parking brakes*), Read minor a IF there is audible air leak is a MINOR defect, *Call my operator ...* Read Major *B* IF air loss rate exceeds prescribed limit which is 4 PSI this is a MAJOR defect, *Call my operator ... ..*

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**Tractor Protection Valve-** starting pressure is 100 PSI. Tractor brake in, Truck switch off, i am going to disconnect my service line (*blue*), service line disconnected & visible, Step on service brake (Press fully paddle brake) , pressure is 95 PSI, (*listen & watch your service line for approx. 10 to 15 seconds*), NO audible air leak from service line and no movement in service line, (*monitor pressure gauges for 5 sec*) I did not lose any pressure my pressure is STILL 95 PSI, release service brake and (*pull tractor brake out*), *listen for air exhaust sound* Tractor protection Valve is working, which is good I am going to connect service line.



Read major C or verbally IF there is audible air leak from service line OR any movement in service line or I lose pressure OR my tractor protection valve is not working, this is a MAJOR defect, *Call my operator ... ..*

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**Pushrod** starting pressure is 100 PSI, tractor brake IN, steering full left, tractor switch off, open hood, Get down and check brake chamber and say there is no Tag, brake chamber size is 24, diameter is 183 mm maximum pushrod limit is 45mm. *(Chalk mark), (apply brake buddy, pressure is 95 PSI, measure the pushrod)* pushrod limit is at 40 mm, which is Good because it is less than 45mm, remove brake buddy, apply tractor brake. Read major A Pushrod stroke of any brake exceeds the adjustment limit which is 45mm this is a MAJOR defect, *Call my operator ... ..*

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KW Truck Driving School inc.