

Troubleshooting Air Systems

AIR SYSTEM



SATP – “**Scalable Air Treatment Platform**”, whole system including air tanks, lines, air dryer, etc.



EAPU – “**Electronic Air Processing Unit**”, smart component/part in the whole system with the only ECU



Wetness is a calculation of amount of air volume being processed



What to inspect for driver complaints or high wetness warnings?

1. If truck arrives from plant with high wetness, reset meter
2. Check the air system for leaks –Trailers too!
3. Use the pneumatic troubleshooting and schematics to verify plumbing intact. Focus on ports 51 (compressor) and 46 (dryer)
4. Check the valves on all air tanks – drain manually
5. Use DL to monitor wetness and ensure it goes down after regen
6. Allow regens (multiple) after high air-consumption events.
7. Inspect air dryer cartridge and if wet replace
8. The SATP system uses O-rings. No pipe or thread sealant!
9. Park Brake not releasing – air should be exhausting from EPB. Many trucks spec'd with PB interlocks – verify (seat sensor!)
10. Also, on PB, switch status to be improved from trailer switch