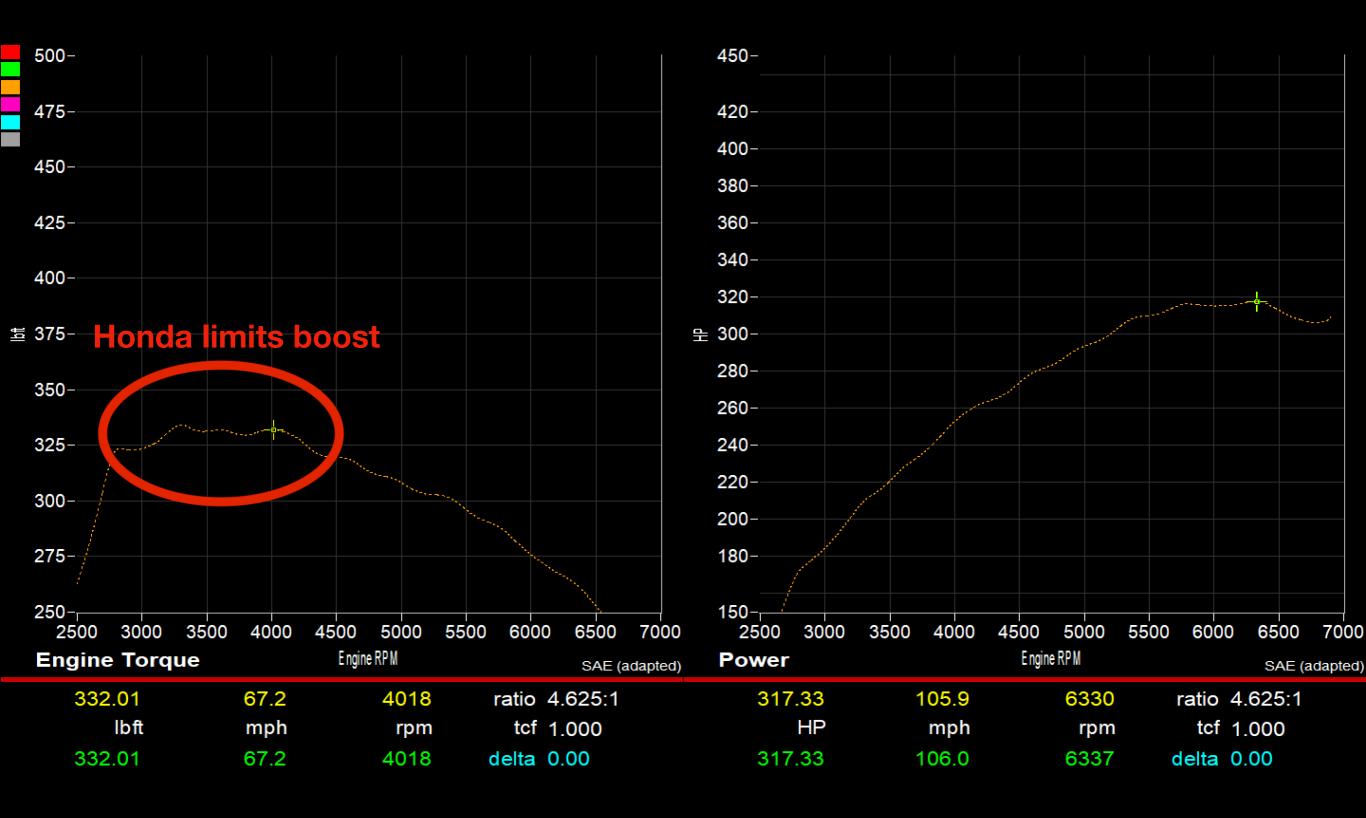
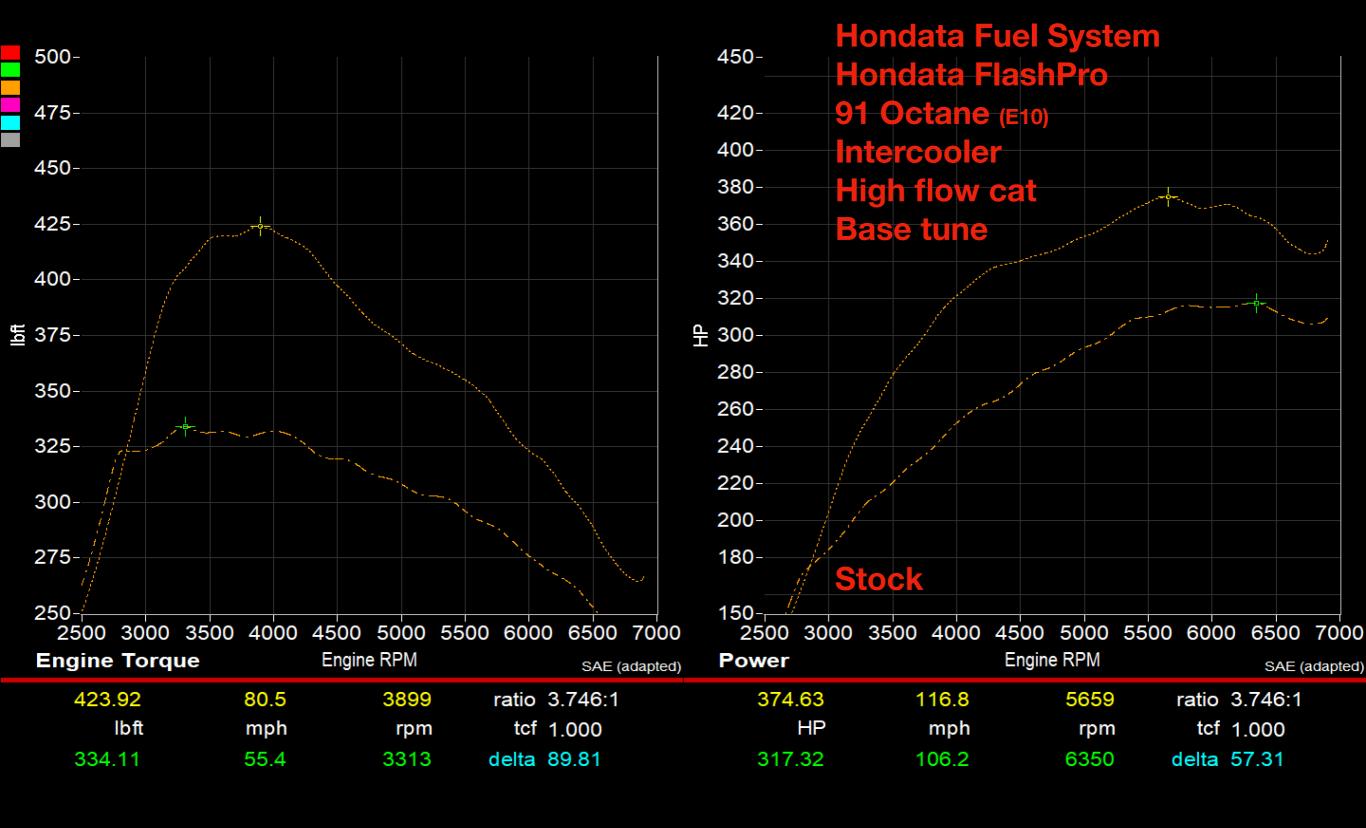


Flex fuel testing FK8 Civic Type R

Stock Civic Type R

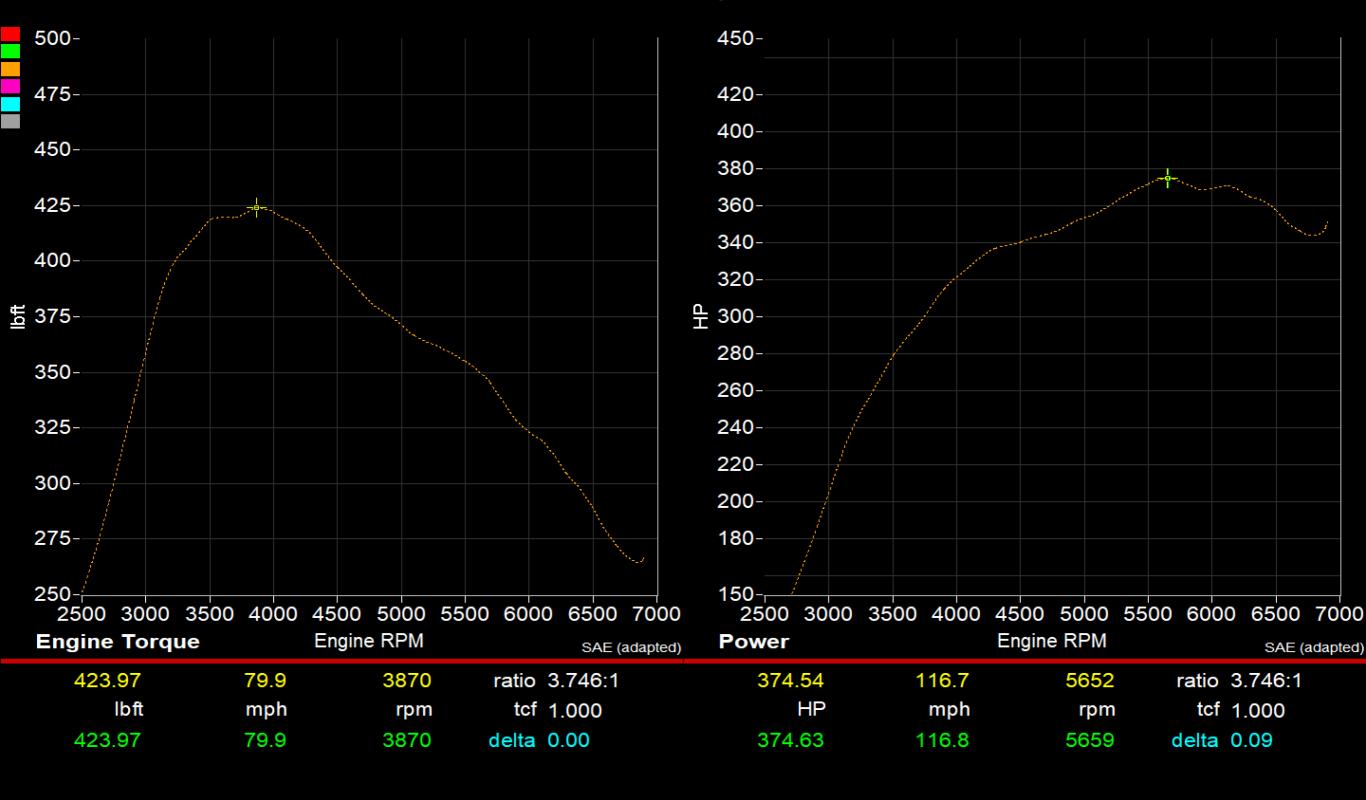


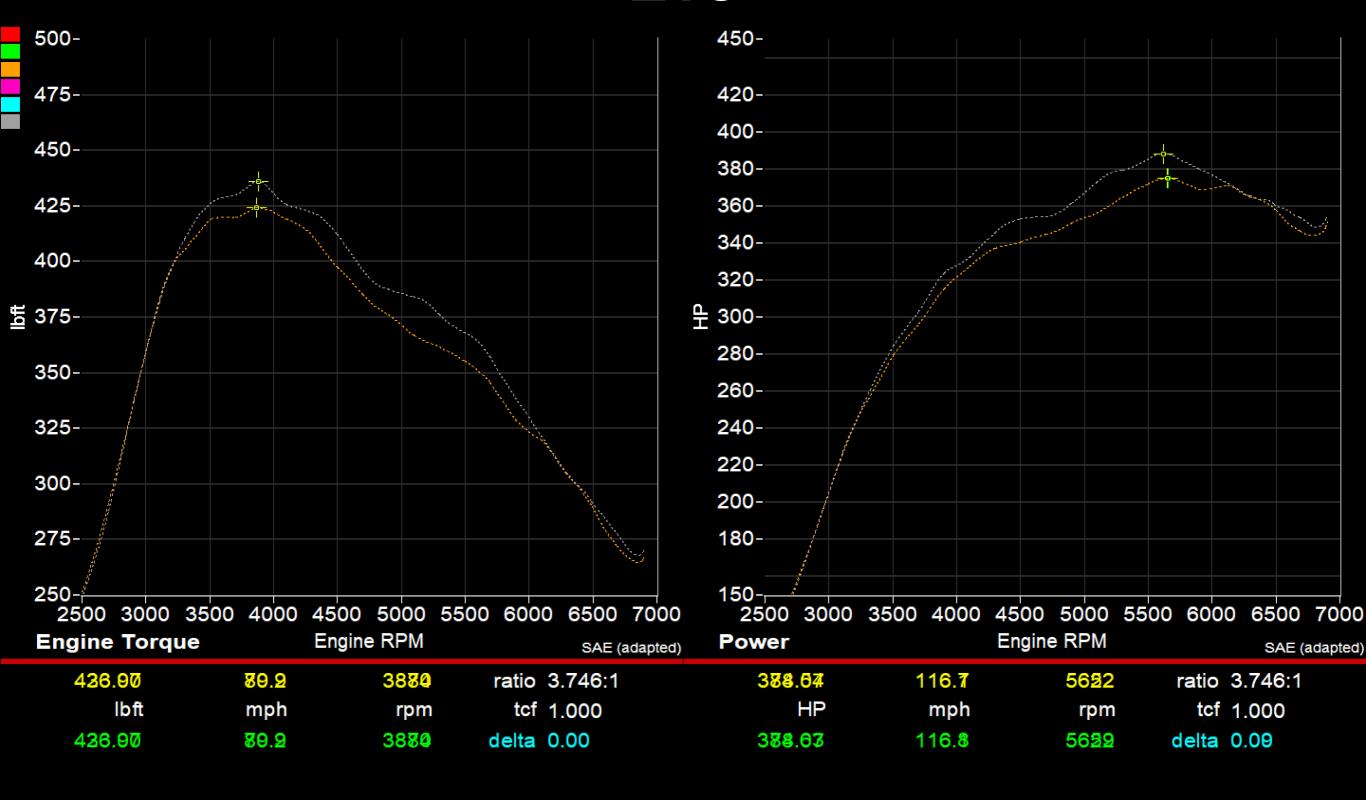
Hondata Fuel System base tune 57 hp 90 lb-ft

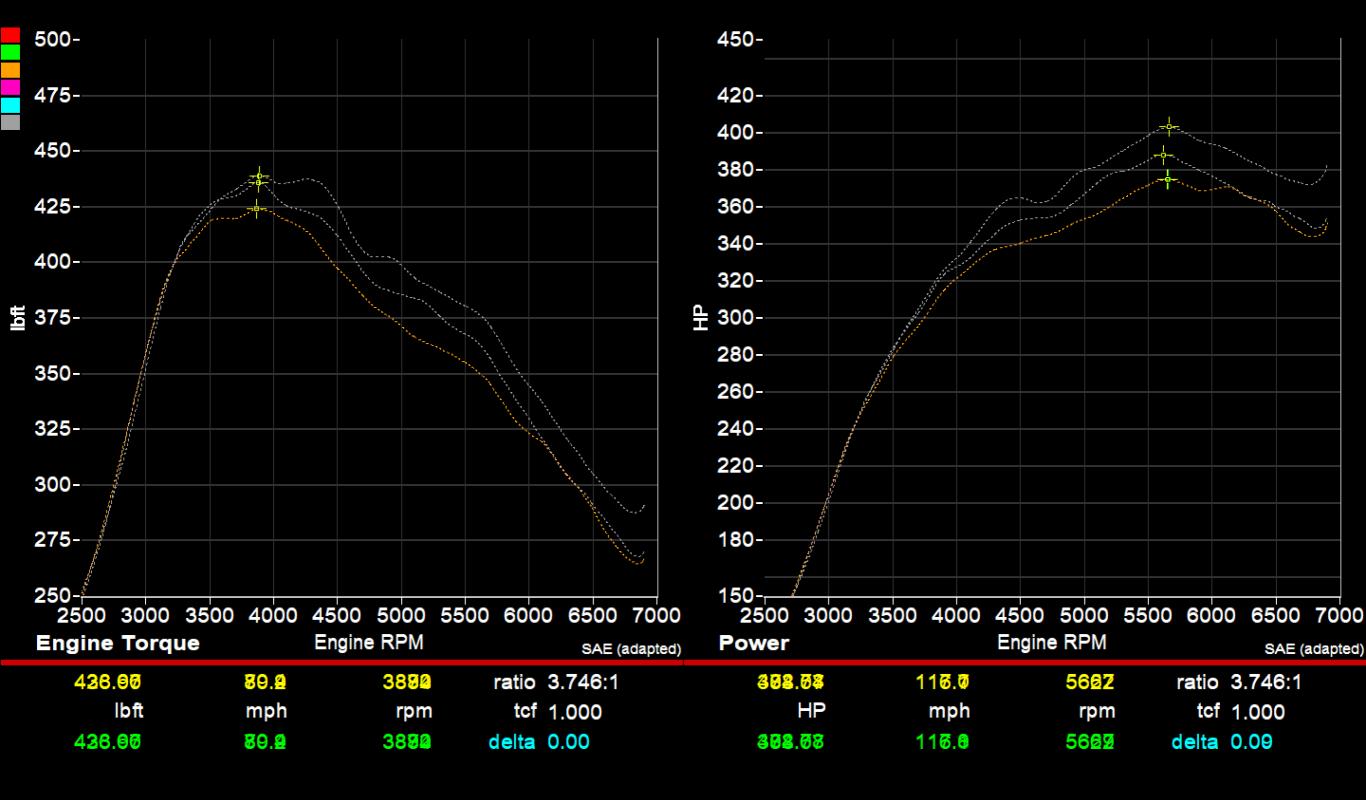


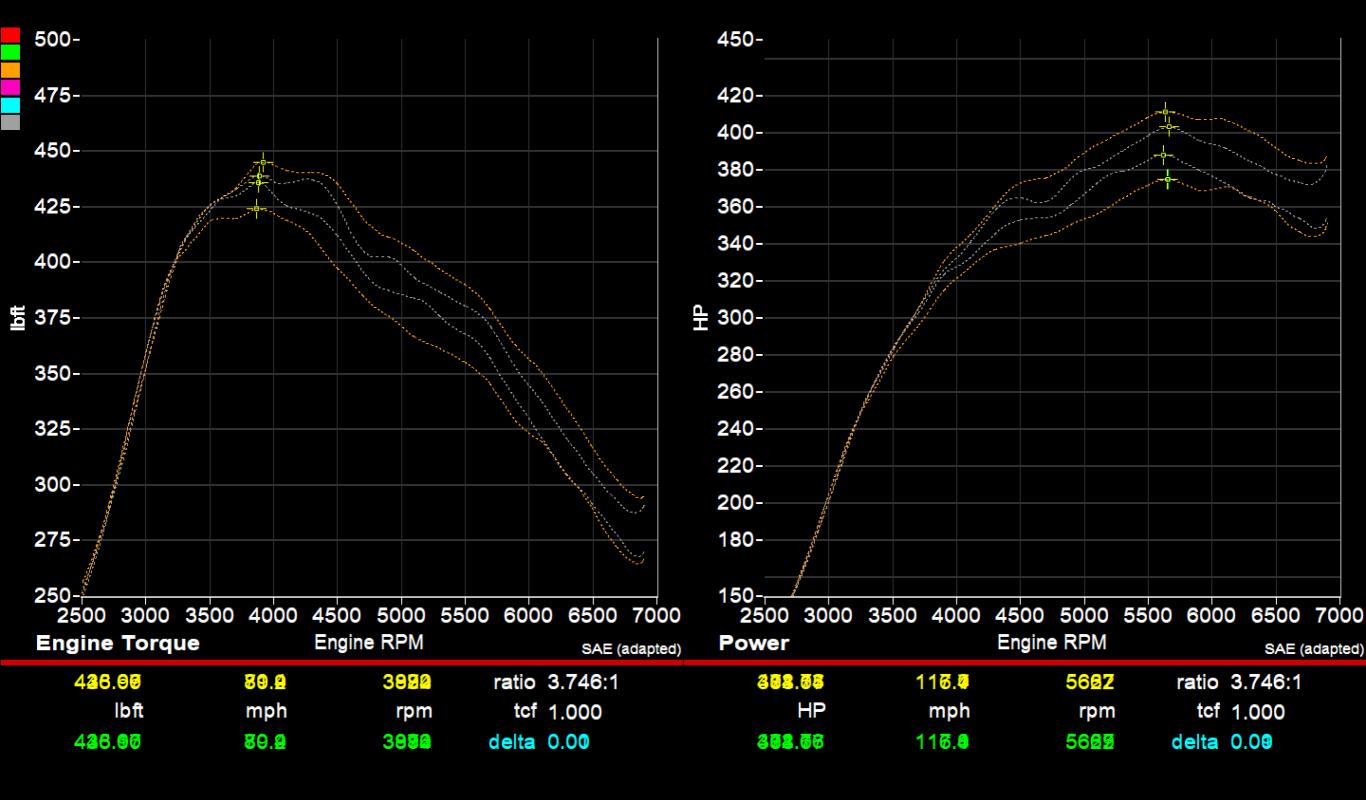
Ethanol basics

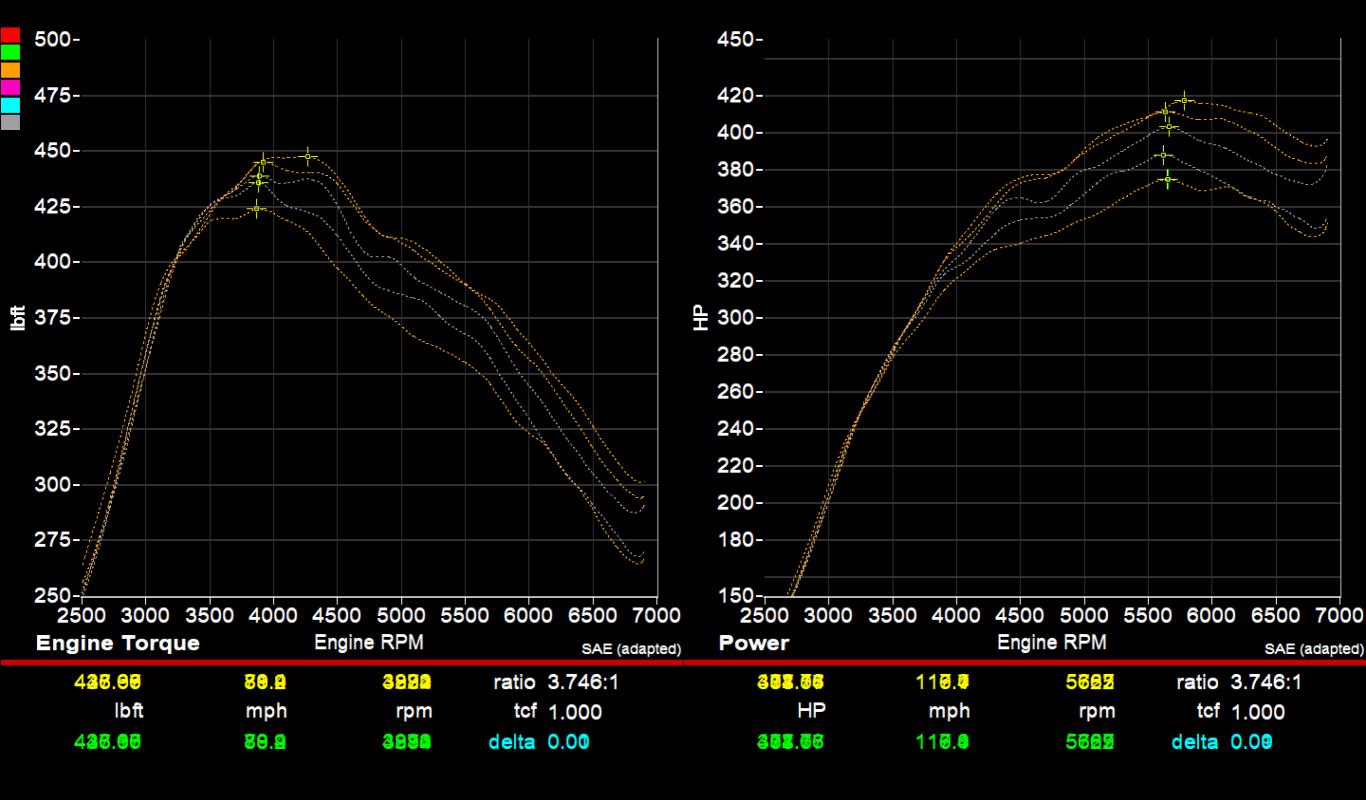
- 34% less energy density
- 50% volume more to generate the same bang
- More than 100 octane (less knock)
- As ethanol evaporates the air is cooled
 - In cylinder charge cooler



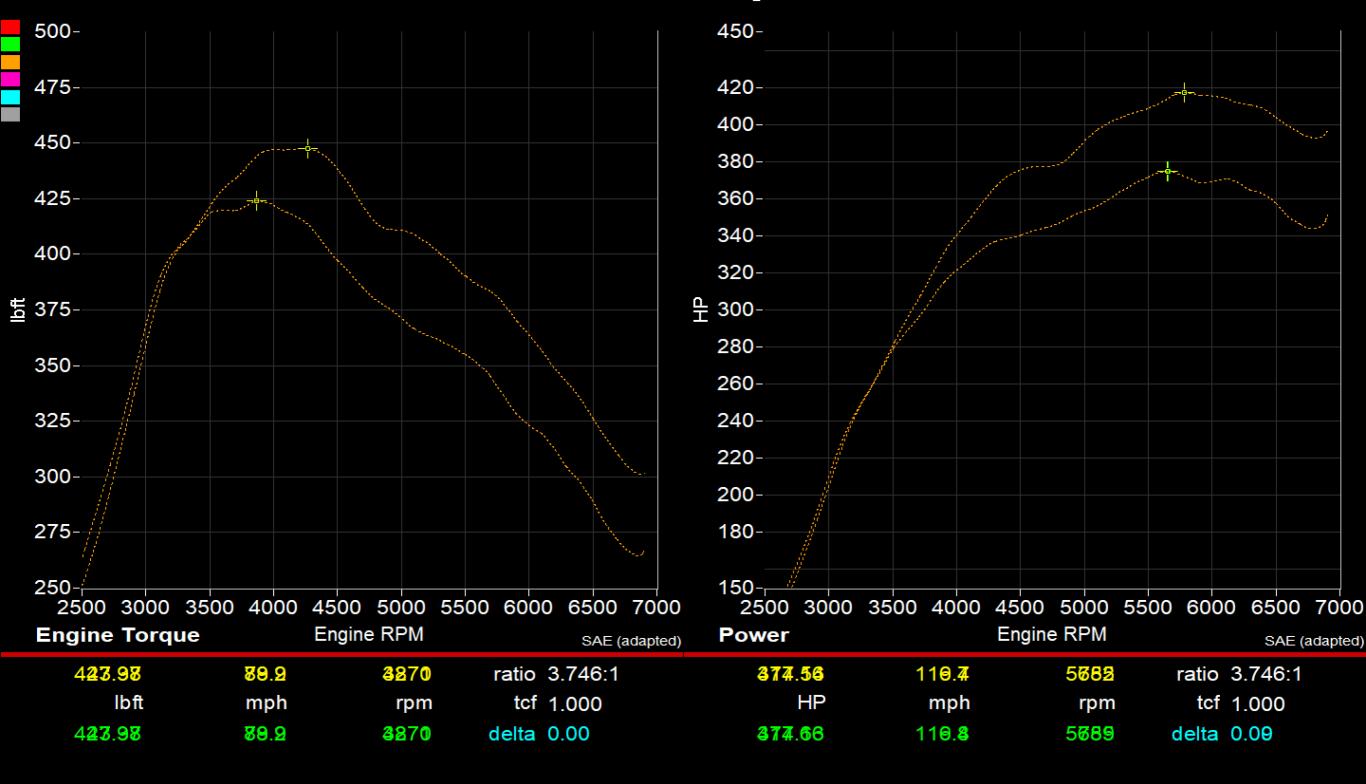








E10-E52 44 hp 25 lb ft

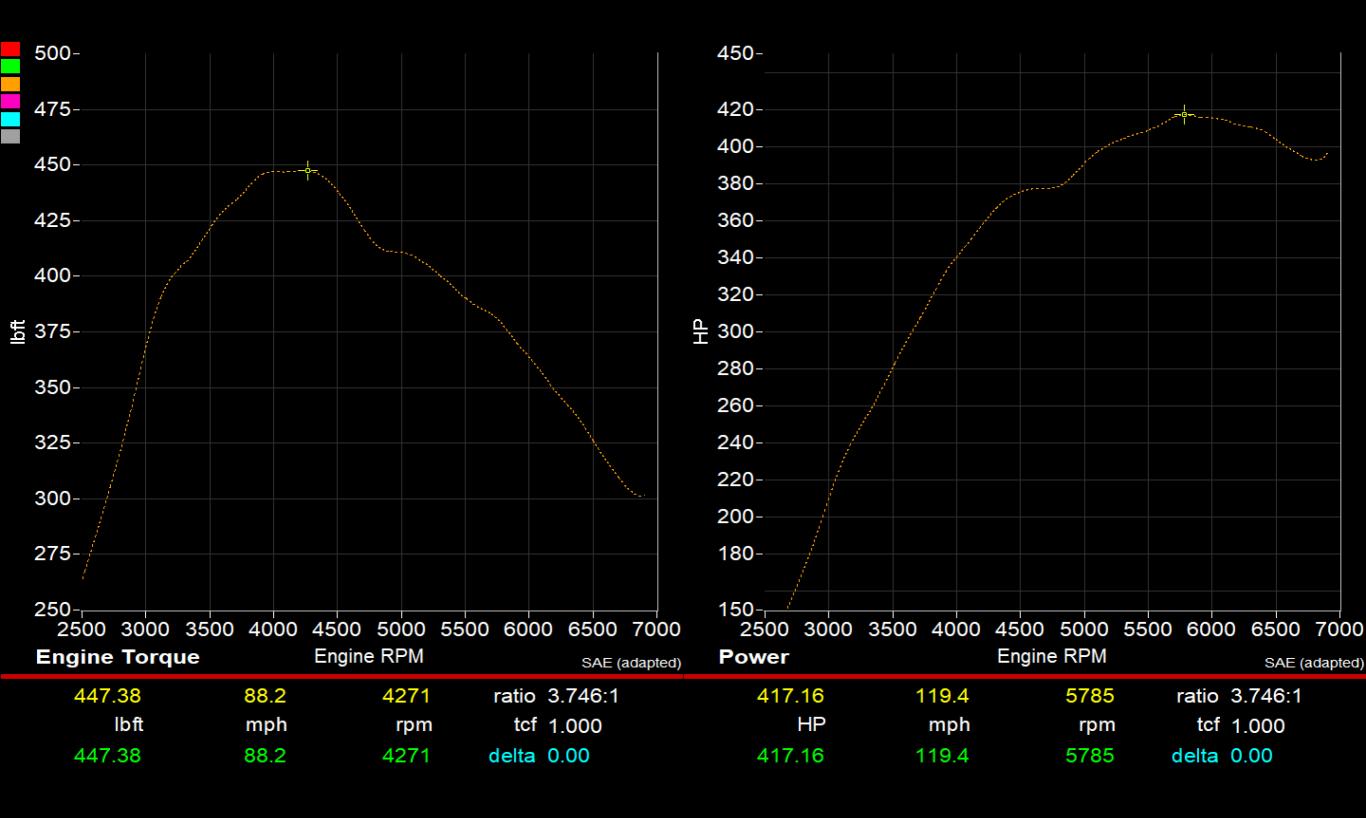


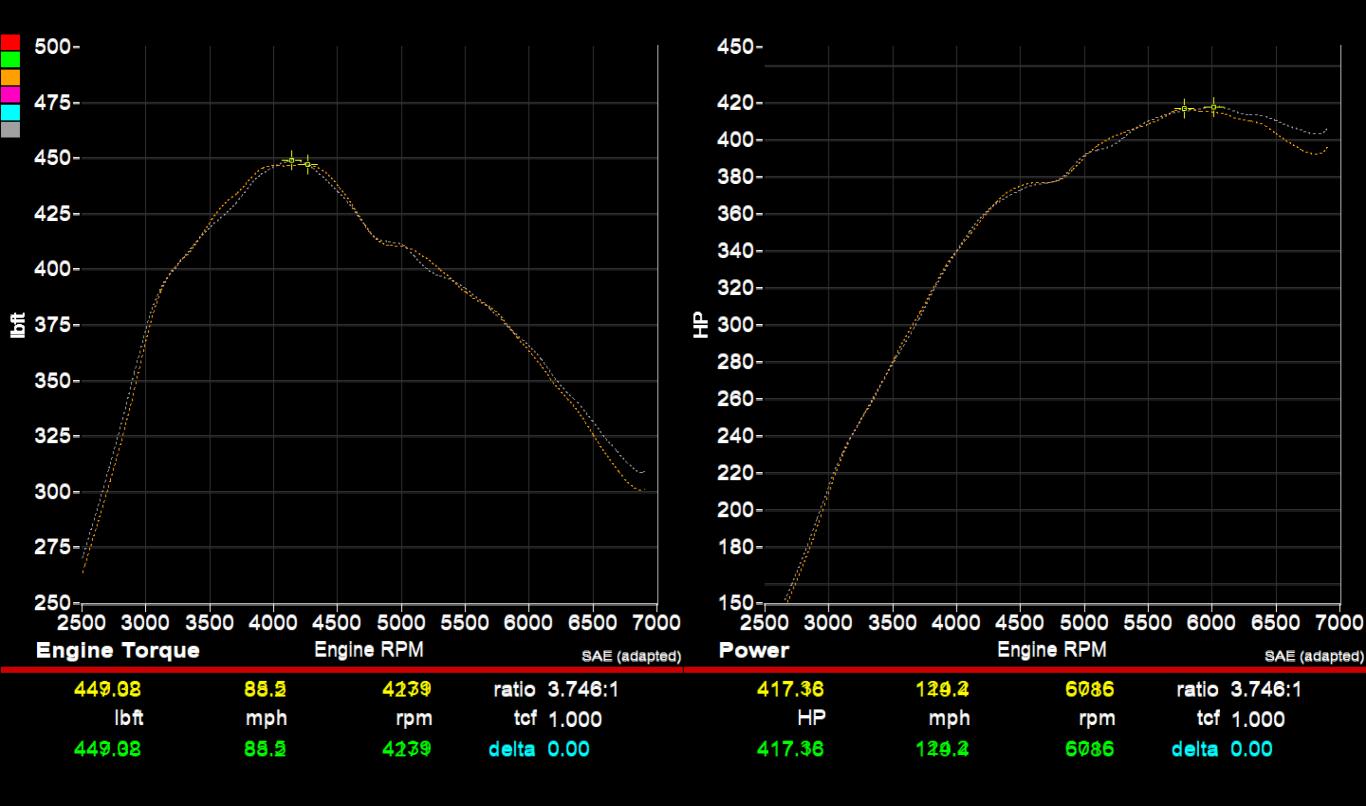
Torque everywhere above 4000

Filling your tank

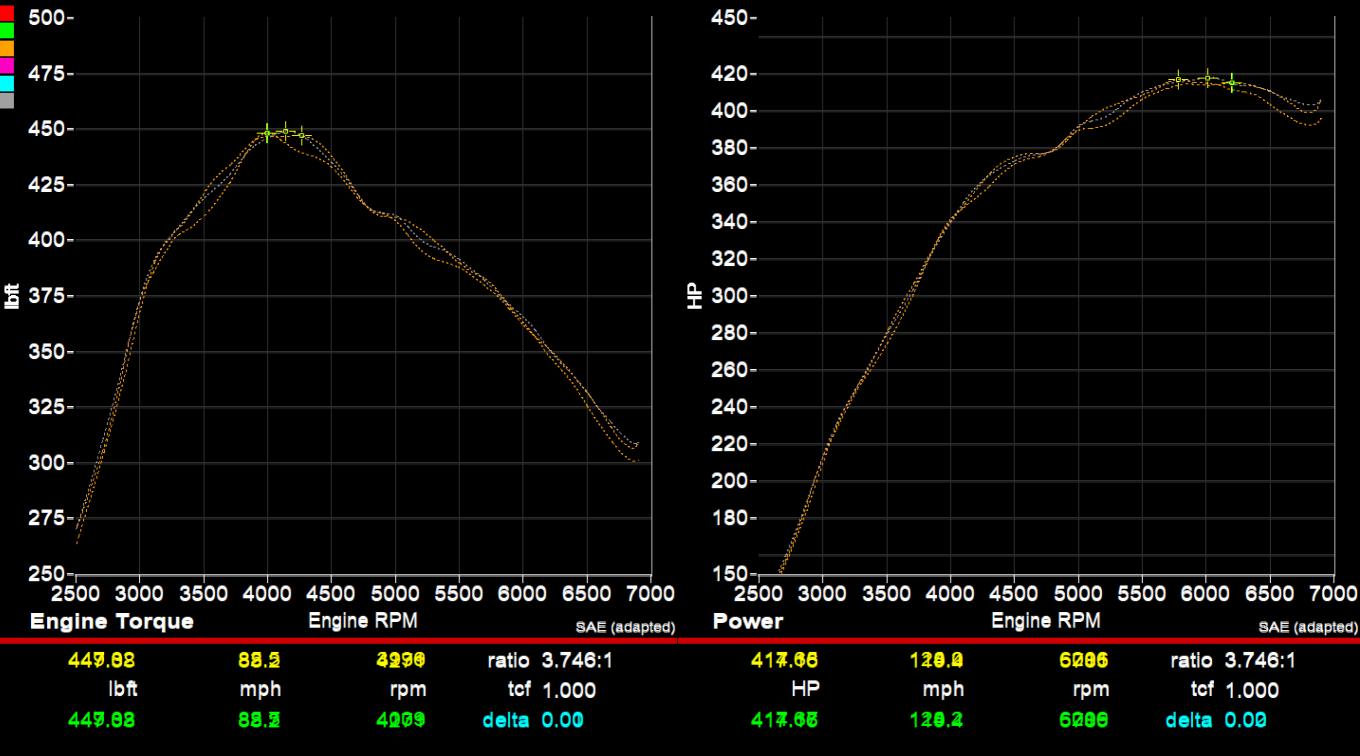
- Can you remember two numbers?
- 3 & 4
- 3 Gallons E85, 4 Gallons pump = E40
- 4 Gallons E85, 3 Gallons pump = E50
- E40-E50 has better range than E85

Higher ethanol content E52 +





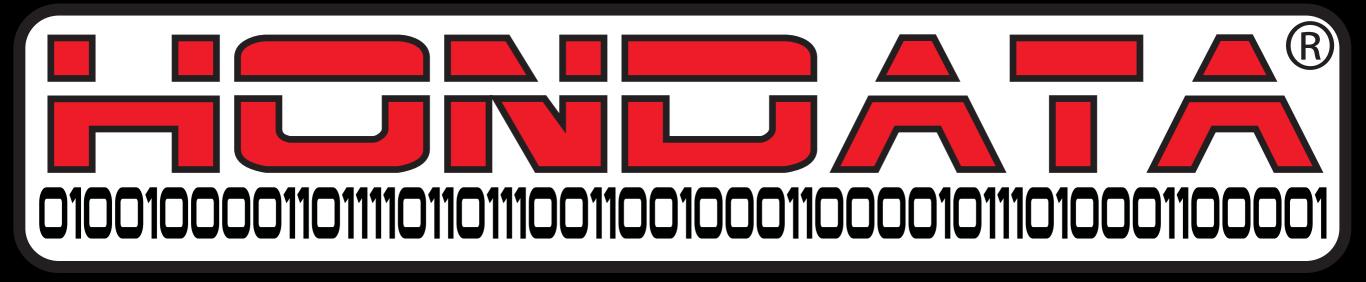
E52-73



A little less < 4000 A little more > 6500

Tuning and tech notes

- E85 needs 50% more volume
- But the Hondata fuel system delivers 24% more volume
- You can run full E85
- Boost reduced as the ethanol content climbs
- Injector duty 35%
- Fuel pump duty 90%
- Dyno tune leaner for more boost and pump duty
- Circuit race CTRs (no cat) >120 track hours at 13.2 air fuel



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