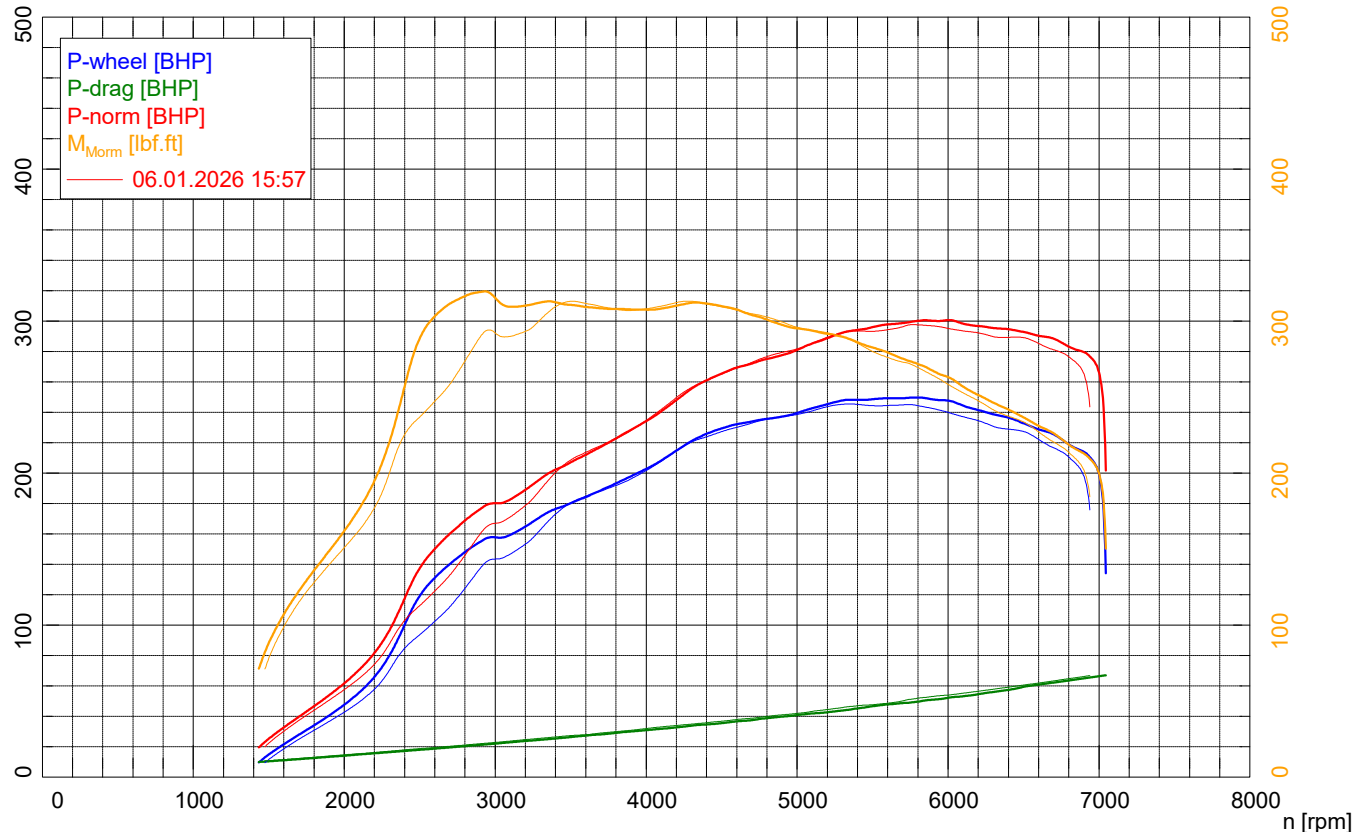


Vehicle type: VW GOLF GTI MK7
License plate: TEGIWA
Inspector: MATT

Otto-Motor / Turbo charger (air-cooled)
Manual transmission

STOCK VS FORGE



Power data

Corrected power ¹⁾ P_{Norm} 300.5 BHP / 224.1 kW
Engine power P_{Eng} 299.6 BHP / 223.4 kW
Wheel power P_{Wheel} 247.5 BHP / 184.5 kW
Drag power P_{Drag} 52.1 BHP / 38.9 kW
Max. power at 6005 rpm / 118.9 mph
Torque ¹⁾ M_{Morm} 319.4 lb.ft
Max. Torque at 2930 rpm / 58.0 mph
Max. attained RPM 7045 rpm / 139.6 mph

¹⁾ Correction acc. to DIN 70020
Correction factors: $Q_v = 0.00 \%$

Ambient data

Ambient temperature $T_{Ambient}$ 11.0 °C
Intake air temperature $T_{Intake\ air}$ 10.7 °C
Relative humidity H_{Air} 52.0 %
Air pressure p_{Air} 993.9 hPa
Steam pressure p_{Steam} 6.8 hPa
Oil temperature T_{Oil} ---- °C
Fuel temperature T_{Fuel} ---- °C

Slip

Speed no load $V_{no\ load}$ ---- mph
RPM no load $n_{no\ load}$ ---- rpm
Speed full load $V_{full\ load}$ ---- mph
RPM full load $n_{full\ load}$ ---- rpm
Slip ---- %

Rotating mass

Average delay run down 1 a_1 ---- m/s²
Average Brake force run down 1 F_1 ---- lbf
Average delay run down 2 a_2 ---- m/s²
Average brake force run down 2 F_2 ---- lbf
Force of the rotating mass $F_{rot-total}$ ---- lbf
Rotating total mass $m_{rot-total}$ 683.4 lb
Rotating test stand mass $m_{rot-dyno}$ 573.2 lb
Rotating vehicle mass $m_{rot-vehicle}$ 110.2 lb