

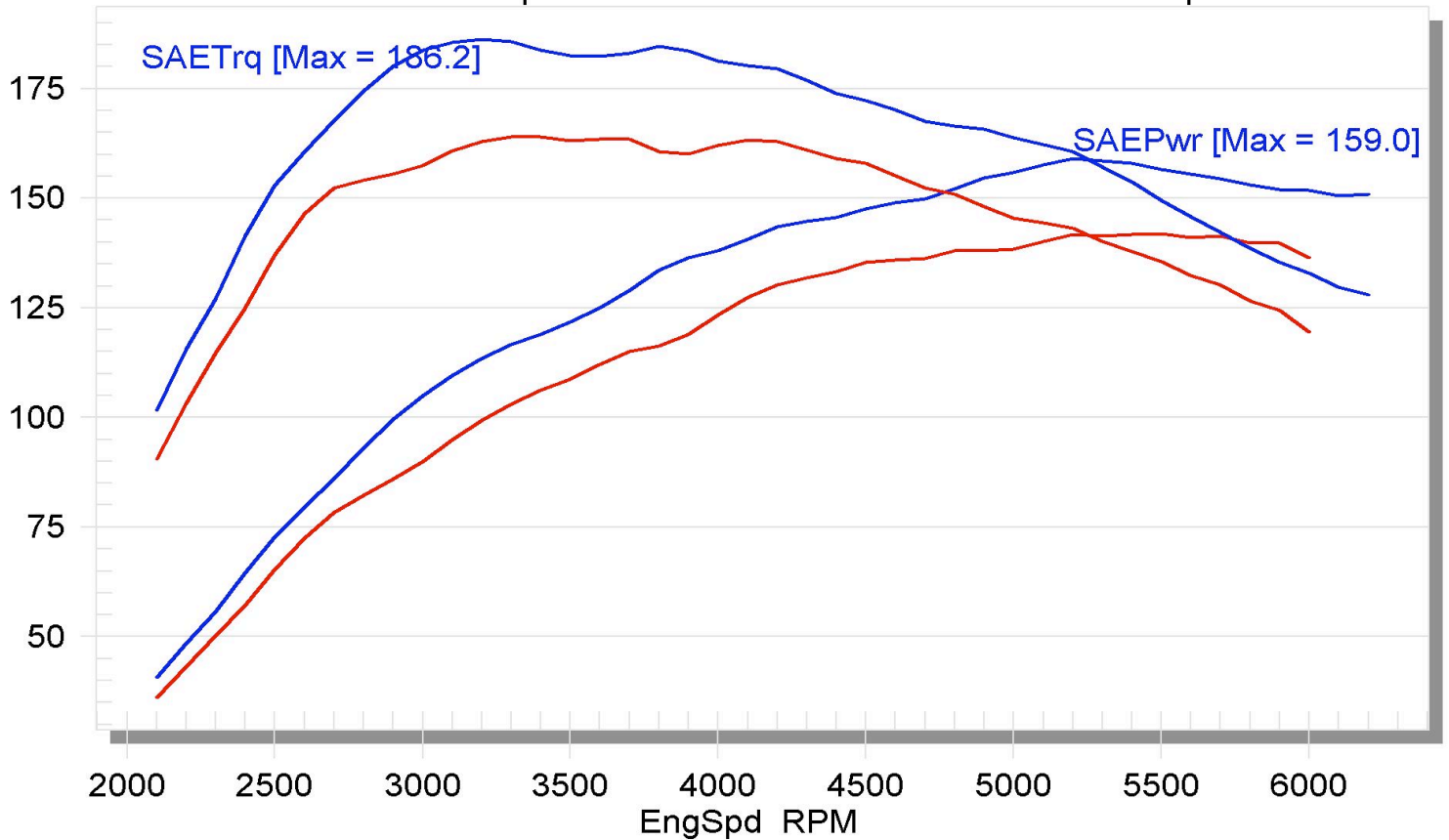
## Apikol B5 A4 1.8t SMIC Dyno Testing Results

The following plots were produced during a test to compare the Apikol B5 (1998-2001) A4 1.8t Side Mounted Intercooler (SMIC) with the stock Audi Side Mounted Intercooler. The test was conducted using a Superflow 4-wheel chassis dynamometer to measure horsepower, torque and air/fuel ratio. Intake air temperatures (intercooler outlet temperatures) were measured and logged utilizing the *Shade Tree Software ProDiag* tool. The test was performed with a Stage 1 Audi A4 (K04 turbo, Hi-Flow CAT, APR Stage 1 software, Milltek exhaust, Apikol throttle body hose, and a custom Apikol downpipe). Each intercooler was on the car for 3 full-pull dyno runs, with the car being allowed to cool between the both of the SMIC tests. The results were *very impressive!* On average, by the end of each dyno pull the intake temperatures using the stock intercooler were 30+ degrees (F) hotter than the intake temperatures using the Apikol SMIC. This extreme reduction of intake air temperature with the APIKOL SMIC resulted in power gains of **17+hp** and **22+ ft-lbs** of torque!! The increased efficiency and cooling ability of the APIKOL SMIC allows your A4 1.8t to consistently produce power, with greatly reduced losses due to intercooler heat soaking effects.

# SAE Corrected Wheel Power vs. RPM

APIKOL 3, STOCK 3

APIKOL 3: SAEPwr- CHp  
APIKOL 3: SAETrq-Clb-ft  
STOCK 3: SAEPwr- CHp  
STOCK 3: SAETrq-Clb-ft



04/30/09

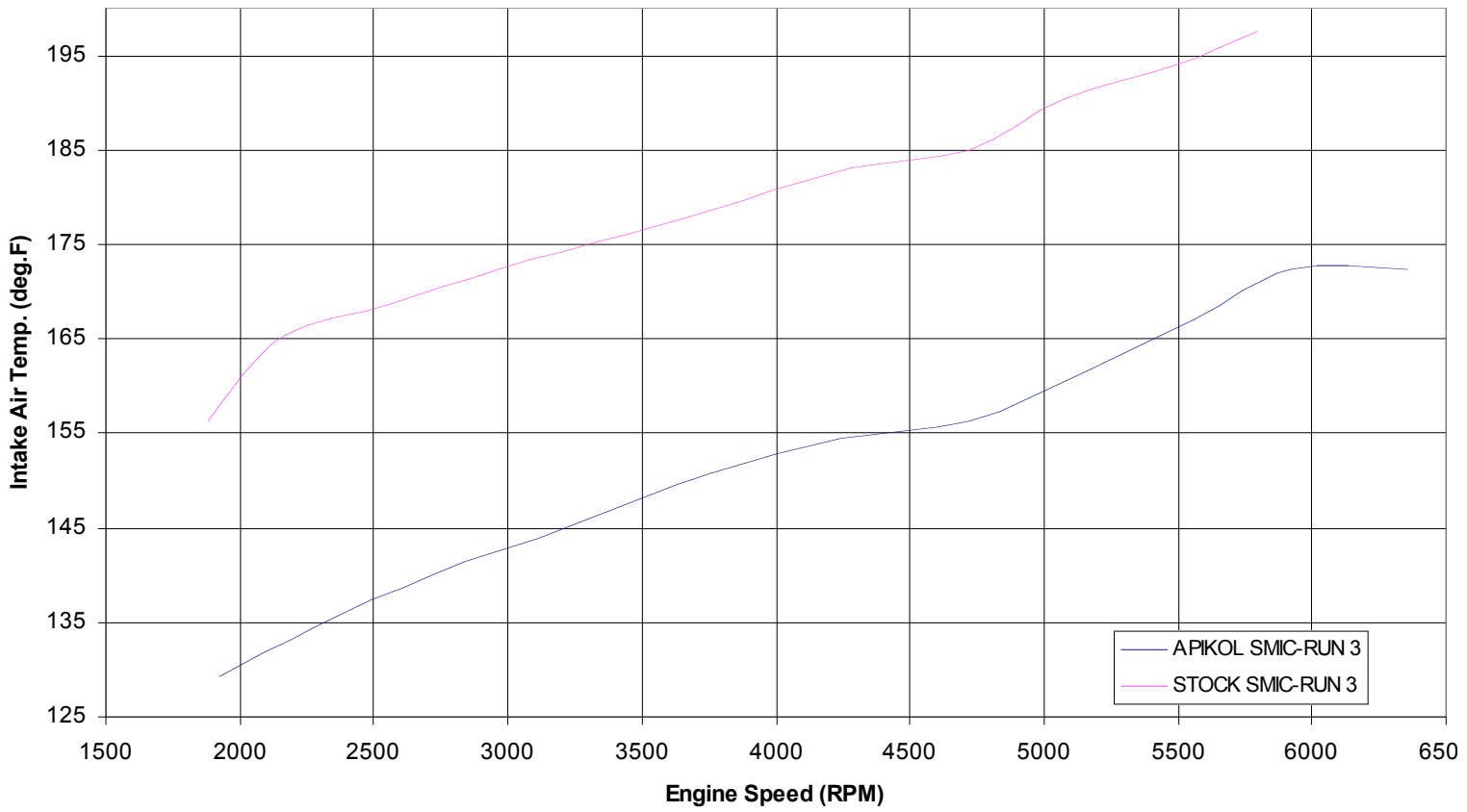
SuperFlow WinDyn™ V

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Run 3 stock SMIC (Red) vs Run 3 Apikol SMIC (Blue)

# Apikol B5 A4 1.8t SMIC Dyno Testing Results

## APIKOL B5 A4 SMIC DYNO TEST VAG LOG TEMP. DATA - RUN 3 COMPARISON 90 SEC. BETWEEN EACH RUN



Run 3 stock SMIC vs Run 3 Apikol SMIC