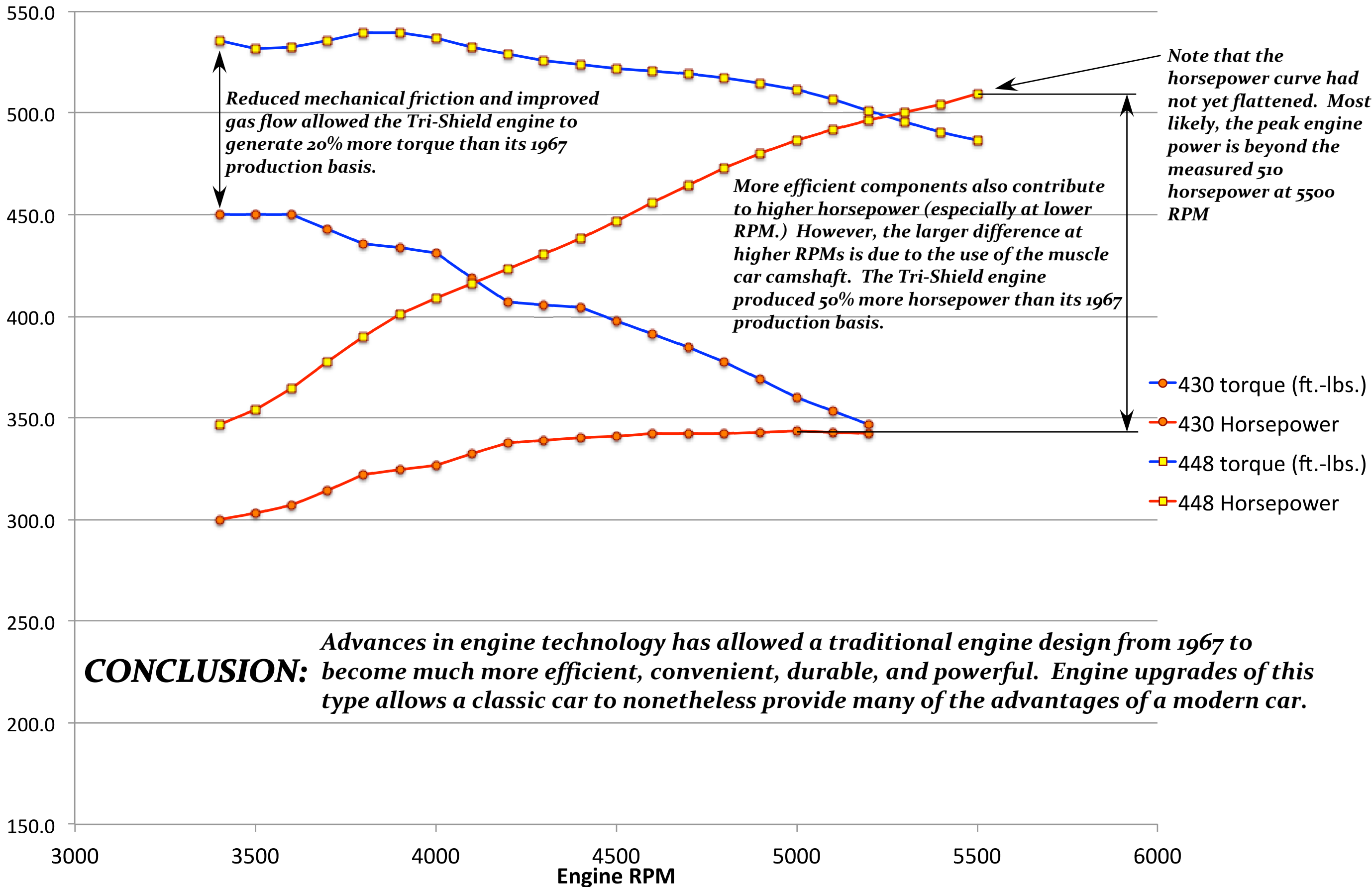


Power and torque curves for Buick 430 cid and Tri-Shield 448 cid engines



Reduced mechanical friction and improved gas flow allowed the Tri-Shield engine to generate 20% more torque than its 1967 production basis.

More efficient components also contribute to higher horsepower (especially at lower RPM.) However, the larger difference at higher RPMs is due to the use of the muscle car camshaft. The Tri-Shield engine produced 50% more horsepower than its 1967 production basis.

Note that the horsepower curve had not yet flattened. Most likely, the peak engine power is beyond the measured 510 horsepower at 5500 RPM

CONCLUSION: *Advances in engine technology has allowed a traditional engine design from 1967 to become much more efficient, convenient, durable, and powerful. Engine upgrades of this type allows a classic car to nonetheless provide many of the advantages of a modern car.*