

# THE EXTRA MILE

Engine Building and Power Techniques

BY SCOTT SEHR



Absolutely, The Most Motor For Your Money! *Guaranteed*

## THE DYNOS TUNED ENGINE

When I am in the dyno room working on an engine the most common question is "How much horsepower does it make?" Horsepower and torque are nice by-products of correct engineering and proper machine work but getting good performance numbers is not the most important benefit of dyno tuning your engine.

An engine has hundreds of parts working together towards the desired outcome. Dyno tuning your engine insures that all of these parts are working together, correctly, and have the proper support to provide a durable and reliable engine.

Dyno tuning your engine is the only way to insure that your engine is running as efficiently as possible. Even the most seasoned and experienced mechanic can miss the tune up and improper tuning will rob your engine of power, torque, miles per gallon and durability. Along with a whole host of other things, incorrect ignition timing or a fuel/ air ratio that is off can cause engine damage ranging from bearing failure due to detonation caused by a too lean condition or too much timing. On the other hand a fuel/ air ratio that is too rich can result in cylinder damage and ring failure due to wash down. In extreme conditions this can also result in bearing failure due to poor lubrication. Part of our dyno break in and tuning process is to insure that your camshaft and lifter package are properly conditioned during the break in and that your rings seat as they are designed to.

Here at Sehr Performance we don't rely on our ears or just reading the spark plugs to tune your engine for the ultimate engine tune. We have the benefit of scientifically proven information gathering capabilities to facilitate precise tuning, our eyes and ears are used to confirm that the data gathered is correct. We tune for the best

performance from cold starts right through the entire rpm range.

Proven power is nice to have when building an engine package but knowing that the engine is running at its best and not on the edge of failure is the ultimate goal of our dyno work. A Sehr Performance dyno tuned engine package will give you the "Extra Mile" in reliability as well as performance.

