

# THE EXTRA MILE

## Engine Building and Power Techniques

BY SCOTT SEHR



Sehr Performance  
going the  
"EXTRA MILE"

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

# There Is Nothing Usual About The Unusual

All around the country there are many engine machine shops and engine builders that specialize in just one or two different types or brands of engines. Some builders have a great career in specializing in just one type of engine or one style of racing and many of these engine builders do not vary from that. When I started my career as an engine machinist and builder over 30 years ago, I made it a point to not pigeonhole myself into a single type or style of engine. I realized that although there are many differences in engines, they all basically operate on the same premise. I decided that I would do all the research needed to successfully engineer and build all different types, styles, makes, and models of engines. This has never been an easy task but I have never taken the easy road. I have created a network of many great, positive, and like-minded people to keep the creative ideas flowing all in the pursuit of building the best product possible for our customer. Most of these custom engine projects take hours of engineering and preparation and require a lot of patience.

In today's world there are so many cookie-cutter type engines that are available. They are all built exactly the same and they all put out about the same power. Although these engines may have good power and torque, they often will not perform as expected in the vehicle because they are not purpose engineered and built for the customer's use. The buyer may be disappointed and will disassemble a portion of the engine in an attempt to improve it or to make the engine unique. However, the buyer may not understand that changing one thing in an engine will alter the requirements of several other aspects of that engine. The end result of the new engine is not close to the idea that the owner originally had in mind. That is where we can make all the difference in the world. Our goal is to have the engine perform to all of its capabilities using the information given to us through communication with the customer.

The usual thing about building an unusual engine is there is a lot more work, measuring, engineering, and time involved in the process.

It also requires working with a handful of other companies to build custom components to fit the combination. These outside companies are experts in their fields and often require extra time to create the perfect product for our build. We have an excellent relationship with these chosen companies and have excellent results with all of them but make no mistake, all custom builds require tender loving care and hand finishing to successfully complete the build for it to be exactly what the customer wants.

Here at Sehr Performance we work extremely hard building the engine that you desire. Whether it's a general hot rod, restorable, competition, or a one-off custom engine we always go the "Extra Mile". Sometimes that mile seems extremely long, but at the end of the day the result is exactly what the customer ordered.

