



## ENGINE BUILDER LUBRICATION GUIDE

A Total System for  
Break-In and Engine Protection



# WHY USE JOE GIBBS DRIVEN OIL?



We are a race team, not an oil company. To compete and win, we have to have the best. Our engines must produce maximum horsepower with maximum durability without failure. That's why we engineered our own oil formulation in 1999 that is specifically designed for racing engines, and we still put it to the test every weekend.

## AN OIL DESIGNED FOR RACING APPLICATIONS

Today's passenger car and truck oils are formulated to reduce emissions and provide longer drain intervals. This has been done by increasing detergents and reducing anti-wear additives, but your race engine operating under high load and high RPM conditions needs high amounts of anti-wear additives (Zinc and Moly) to create a sacrificial additive coating that prevents metal to metal contact in your engine.

### MODERN ENGINE SET-UP

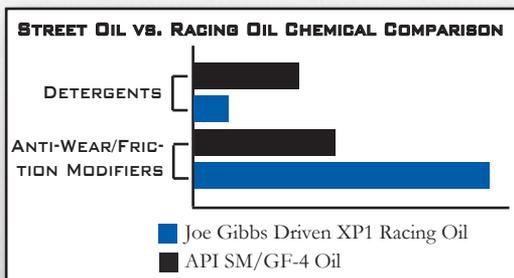
Decreased anti-wear (i.e. Zinc) and more detergents:

- Catalytic Converters
- Low RPM
- Overhead Cams
- Extended drain intervals

### RACE ENGINE SET-UP

Need more anti-wear (i.e. Zinc) and less detergents:

- High RPM
- Higher Torque
- Flat tappet cams and push rods
- Shorter Drain intervals



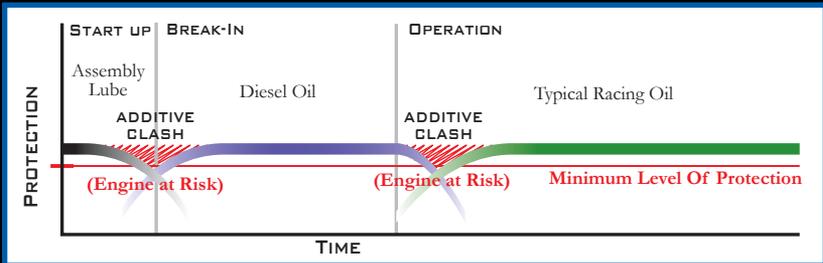
**JOE GIBBS DRIVEN OILS ARE DESIGNED FOR HIGH RPM, HIGH LOAD APPLICATIONS TO GIVE YOUR ENGINE MAXIMUM PROTECTION WITHOUT SACRIFICING PERFORMANCE.**

# THE JOE GIBBS DRIVEN SYSTEM

Properly protecting the engine from excessive wear during initial start-up and break-in is critical to the long-term life and performance of the engine. By utilizing matched additive chemistries in the products we use to assemble, break-in and operate our engines, we eliminate the risk of “additive clash.”

## Typical Break-In Procedure:

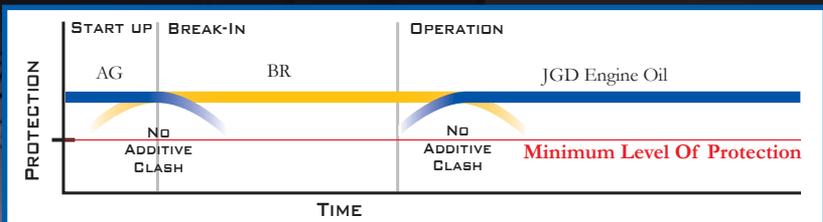
Additive Clash can occur when switching between products with different additive chemistries - putting the engine at risk.



Avoid the use of API licensed products in racing engines and flat-tappet street engines due to reduced anti-wear additives.

## Using the Joe Gibbs Driven System:

By utilizing complimentary additive chemistries, our products work together to produce and maintain a high level of anti-wear protection throughout the engine during start-up, break-in and operation.



## A System Approach is Best:

- Builds and maintains protective anti-wear film
- Avoids additive clash that can compromise the anti-wear film leading to premature part failure.
- Oils specifically designed for each stage of operation provide optimized protection and performance
- Consider it insurance for your investment in time and parts

# PROTECION SYSTEM PRODUCTS:

A complete line of products to protect your racing engine or hot rod / restoration engine from assembly to operation.



Engine Assembly Grease



BR Break-In Oil

Racing Engine

Hot Rod, Restoration, Vintage  
Racing, or Marine Engine



XP Series Racing Oil



HR 15W-50 or HR 10W-30  
Hot Rod Oil



To learn more about how oil protects your racing engine – go to the Joe Gibbs Driven Training Center at [www.JoeGibbsDriven.com/trainingcenter](http://www.JoeGibbsDriven.com/trainingcenter).