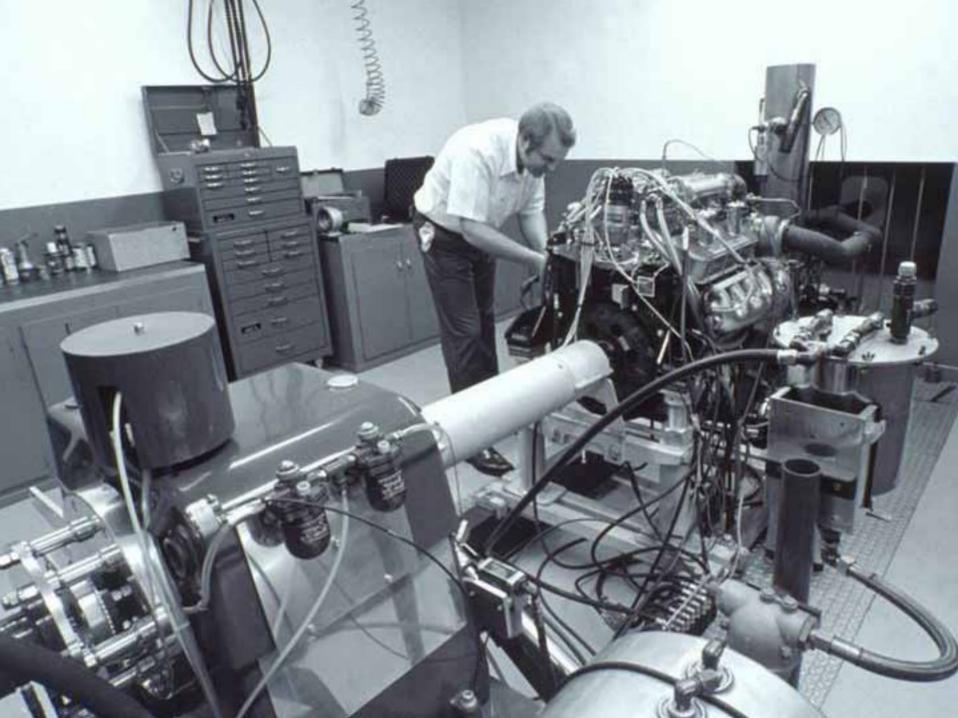
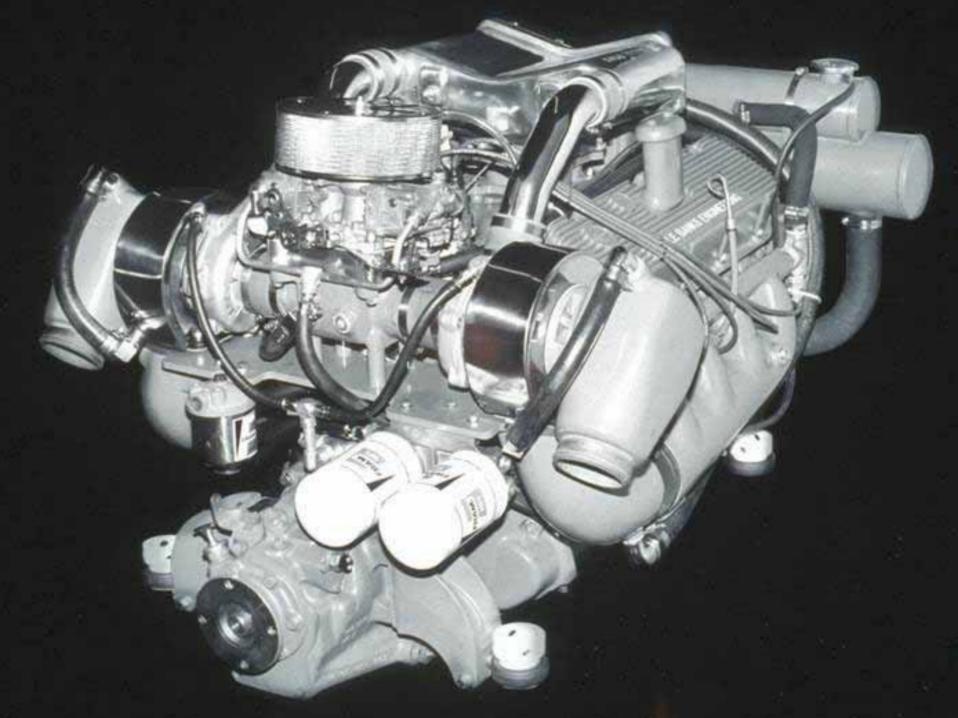


North American Market Challenges for Diesel Engines



BANKS CAMPUS -- AZUSA, CALIFORNIA



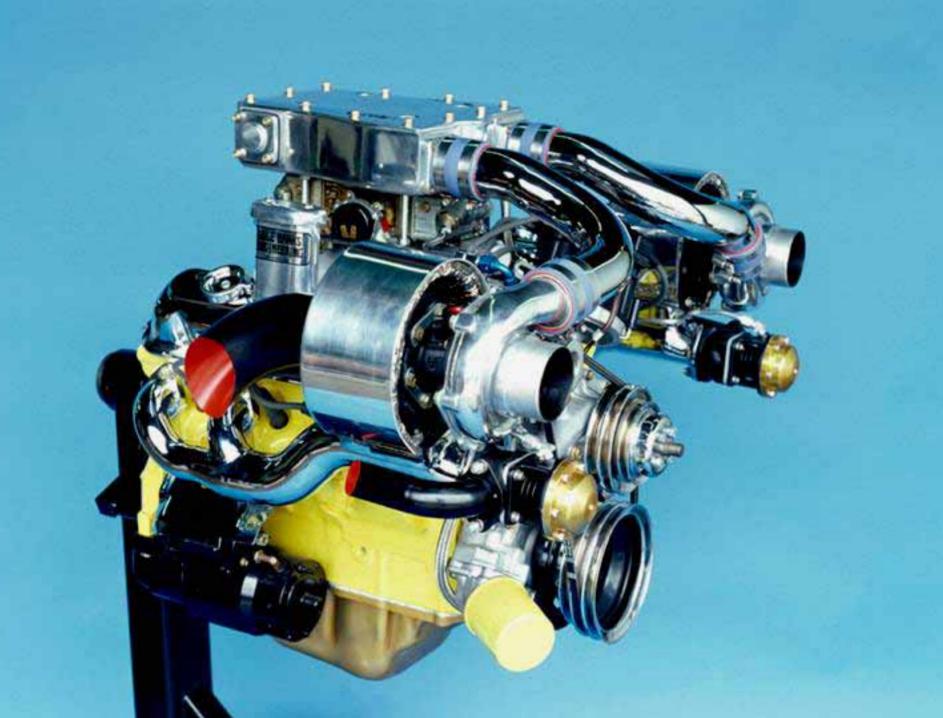


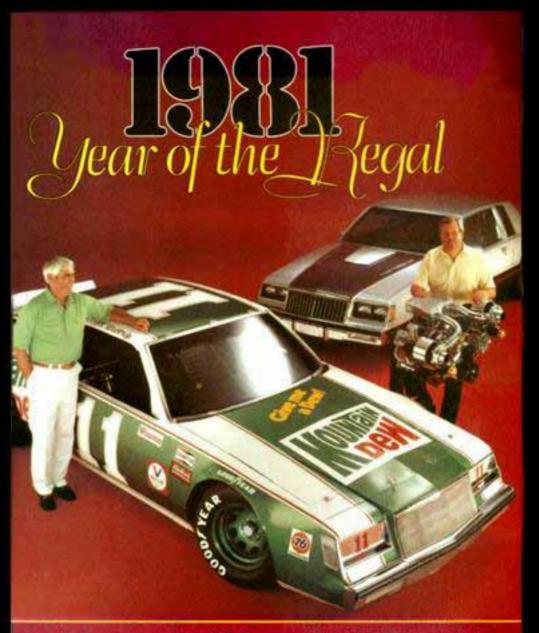




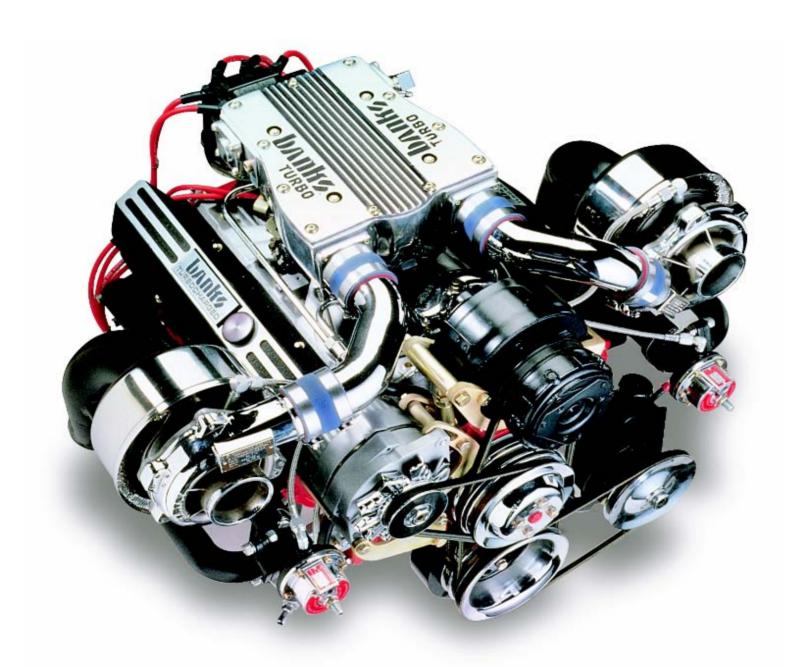








 ${\cal U}$ ill they become the '57 Chevys of the '80s? These sleek and slippery "A-Special" coupes are breaking records on the track and in the showroom. Completely redesigned . . .



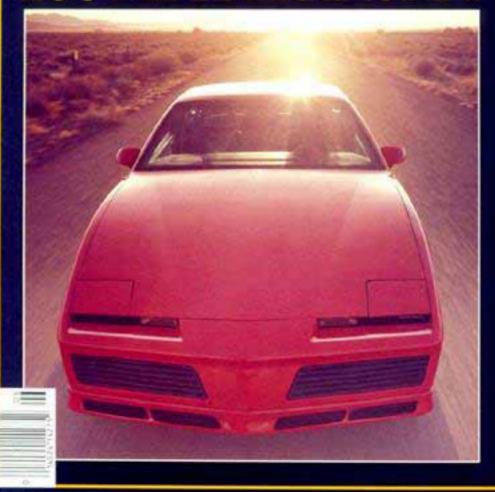


BMW 325e Two more cylinders and tons more torque

CARMDRIVER

JUNE 1984 • \$2.25

BREAKING THE BARRIER! 200-MPHTRANSAM





LISTER JAGUAR: NOSTALGIA IS BETTER THAN EVER STOCK CARS FOLLOW IN GRANT'S FOOTSTEPS

AutoWeek

WORLD'S FASTEST PASSENGER CAR

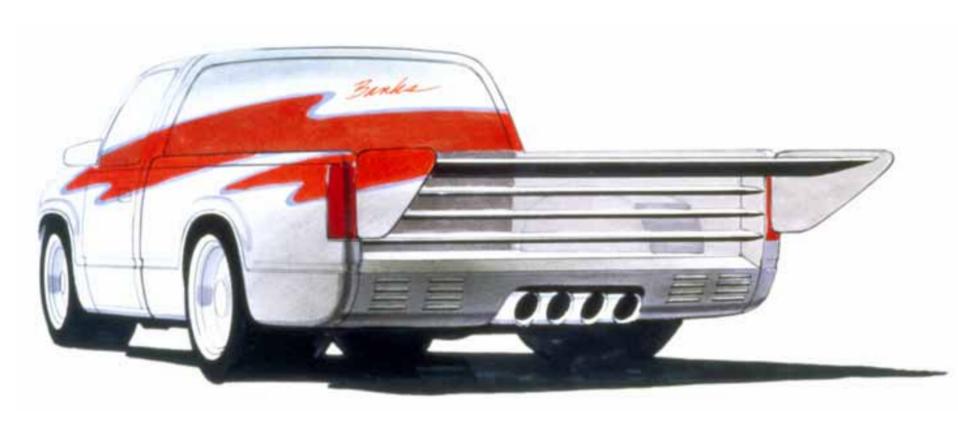


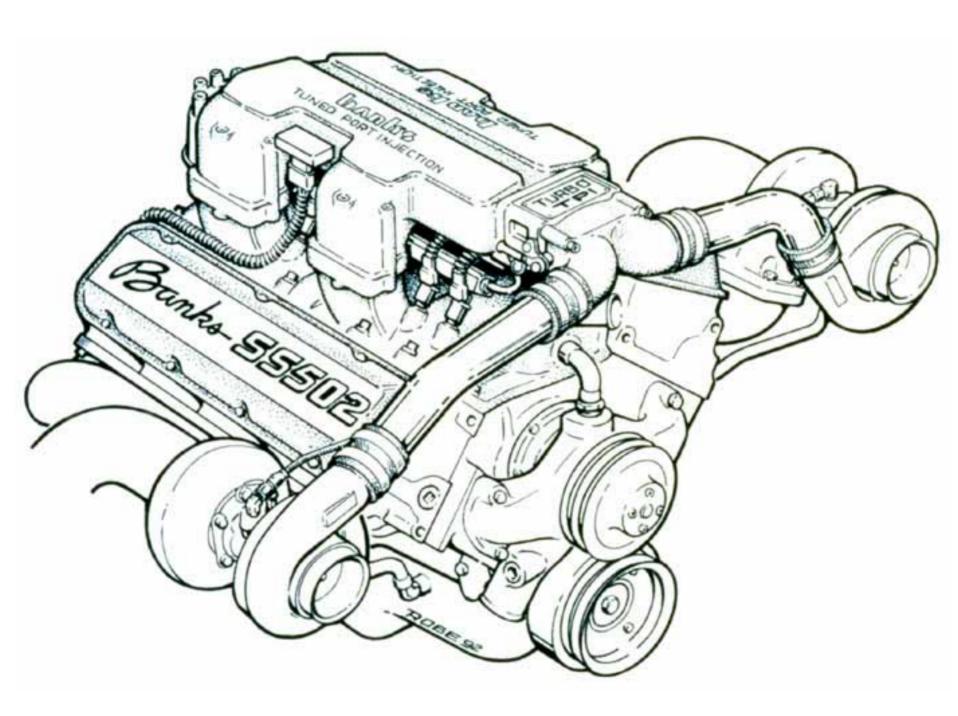
George Romney: An elder statesman speaks out

Banks Engineering Trans Am blisters the Salt at 268 mph











One goes down in history. The other goes down your street.



On September 14, 1990, the Syclane LSR from GMC Truck rewrate the record books by becoming the first truck ever to break the 200 mph barrier in the flying mile. This specially modified Syclane clocked an amazing one-way speed of 210,069 mph in the IMSA speed trial.

For GMC Truck, the Syclone LSR represents our commitment to leadership in truck technology. You'll find every state-ol-the-art advancement in engine design, fuel management, aerodynamics, handling and performance-tuned suspension in the new Syclone street machine.

In January 1991, GMC Truck introduced to you the hottest truck ever to roam the planet. Your Syctione has a 280-horsepower, intercooled, turbacharged 4.31. V6 engine at heart. Its handling is clean and precise, with on-road all-wheel drive, 4-wheel anti-lock brakes, and speed-rated tires rounding out 16" aluminum wheels. Plus, with an M.S.R. P. of just \$25,500; it's a downright steal.

Call 1-800-SYCLONE.



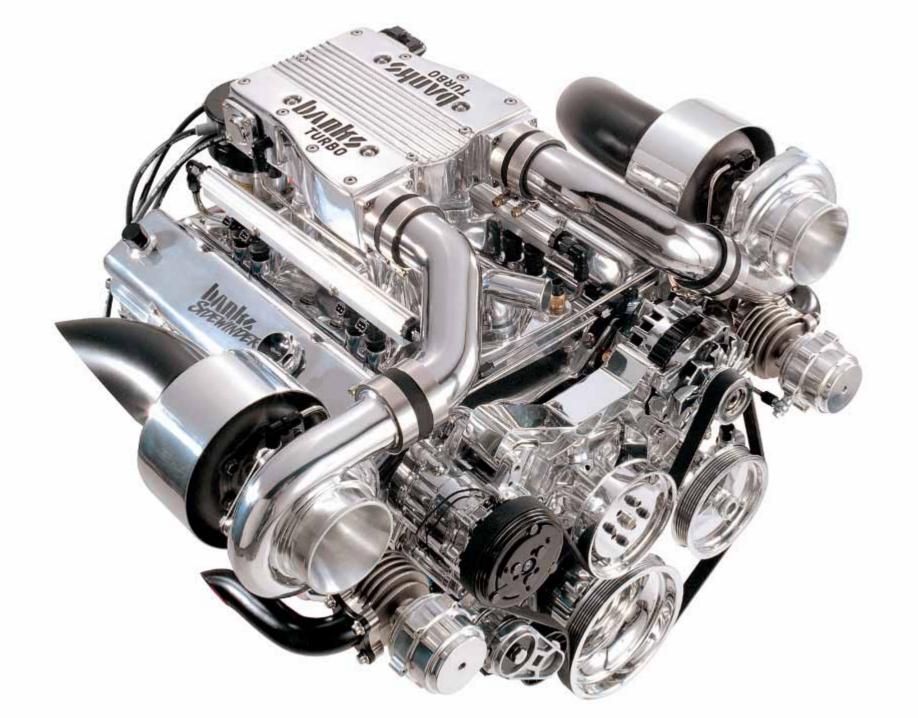
















October 25, 1902 Gross Pointe, Michigan

Oldfield drives Ford's 999 to victory in the Manufacturers Challenge Cup



Both became the most recognized figures in motoring – Barney Oldfield as a driver and Henry Ford as a builder.

The message is clear:

Performance sells

And has to this day

GOAL:

Eliminate the stone-age perception of diesel

The Diesel Fuel Advantage

No octane limitation

Displacement being equal

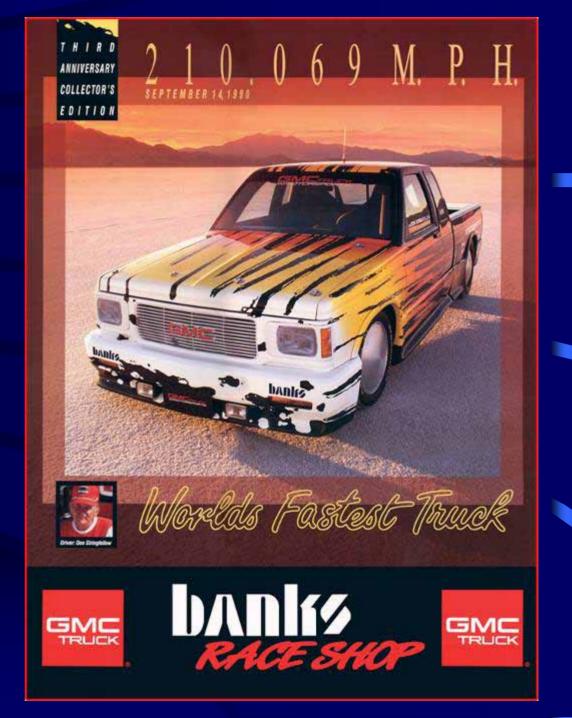
Diesel has greater potential

Banks/GMC
Syclone

204 mph

300 CID

Racing gas



Ford/Roush
Rocket
Ranger

205 mph

371 CID

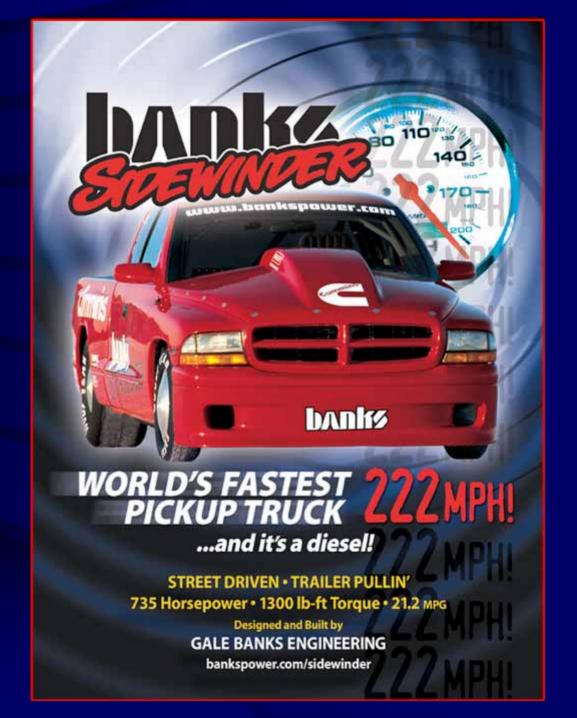
Racing gas



Banks Sidewinder

222 mph 360 CID

#2 diesel





Diesel owns the 3/4 and 1-ton pickup market

Compared to gasoline offerings:

Diesel horsepower is now equal Diesel torque is superior

The diesel option costs more yet the majority of these trucks are diesel powered

The light-duty solution

Don't design to equal gasoline performance

Design to blow them off

While maintaining diesel utility

We know diesel has come a long way, but public perception is way behind

SOLUTION:

High-visibility demonstrations of diesel's prowess

Move market demand to diesel by winning over the opinion leaders

The market will follow

NEED #1:

Reconsider basic engine design

Decrease engine mass

Increase specific power

Light-duty diesel

Reduce peak cylinder pressure

Sacrifice a little torque

Turn the engine faster

Produce more horsepower

Both torque and horsepower potential now greatly exceed gasoline

Lower torque reduces drivetrain mass requirement

Improve transient torque curve

With intelligent turbo machinery



NEED #2:

A comprehensive diesel fuel standard with consideration of the high speed engine requirement

The American automotive market

We do not have the same market forces as Europe

Diesel engines cost more

Americans buy performance

Performance always costs more...

There's the price justification for diesel

Let's make diese the preferred automotive engine option

At any engine displacement diesel should outperform gasoline



Banks
Sidewinder
Current power:

125 hp/liter

4000 rpm max

735 bhp

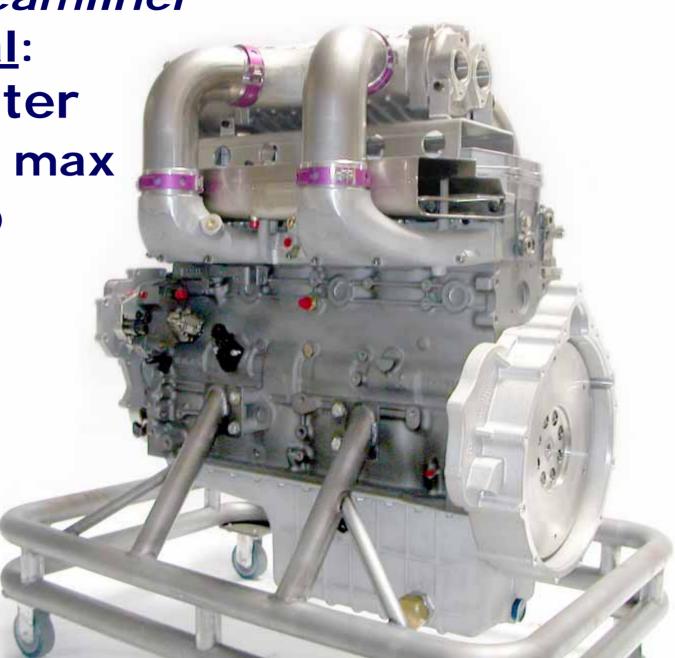
Banks Streamliner

Power goal:

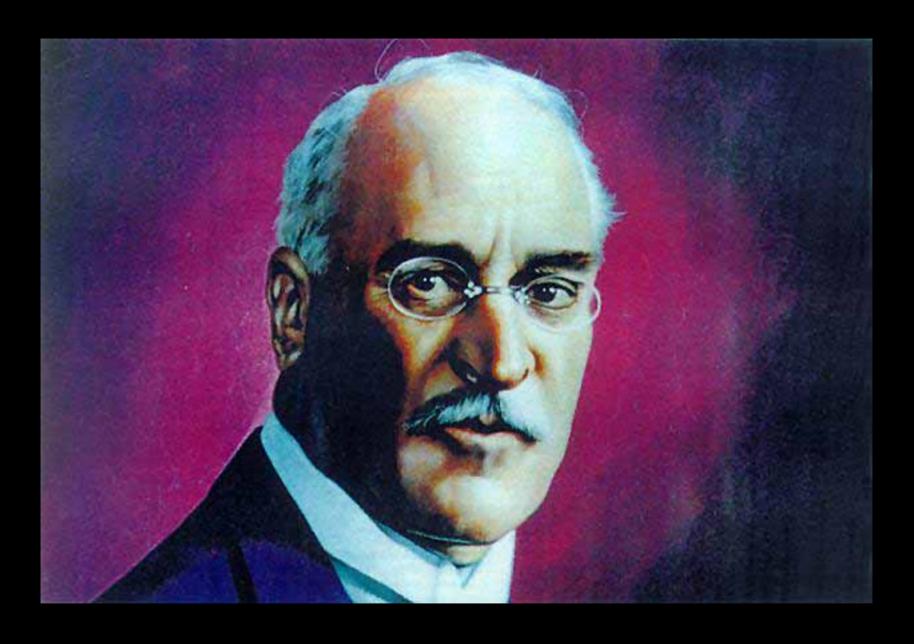
200 hp/liter

5500 rpm max

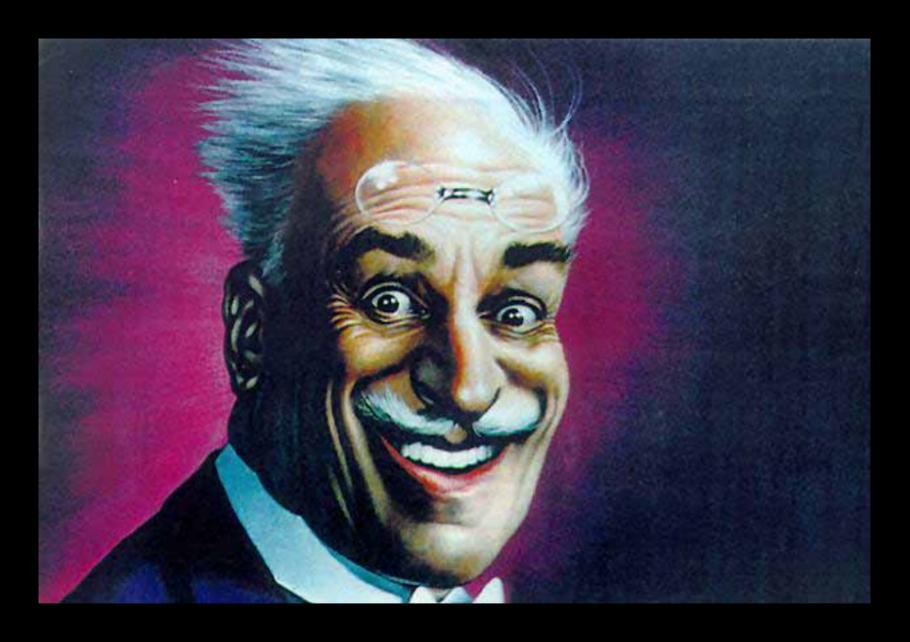
1180 bhp







This is Rudolph Diesel



This is Performance Diesel