

## **GALE BANKS ENGINEERING**

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### **ABSTRACT**

Cummins, Inc., and Gale Banks Engineering have teamed up to build a diesel-powered world record setting vehicle. The objective of the project was to provide a positive showcase to display the virtues of diesel power in a market area where diesel power is not currently available: sport vehicles, mainly trucks. Over a 2-year period, engineers at Gale Banks Engineering, Cummins, Holset, and Robert Bosch worked together to build this showcase. After several hardware exchanges, countless phone calls, and many, many late night thrash sessions, Project Sidewinder hit the road – not the track!

In an unprecedented fashion, the Cummins'-powered, Gale Banks Engineering-built Dodge Dakota made its way to the Bonneville Salt Flats not on a trailer or transporter, but under its own power, pulling a race supply trailer. This amazing vehicle went to the flats in full street-legal dress and capable

of achieving over 21 mpg, with only a tire change. It broke four standing records during the driver's qualifying passes at an average speed over 182 mph. That was just the first day.

For 3 days, like-minded racers watched in awe as a diesel-powered pickup truck that looked a lot like what you would see on the street (complete with trailer hitch, air-conditioning, power windows, and stereo) set record after record. Even more amazing, using diesel fuel that anyone could buy at a corner fuel station, this vehicle would set records at speeds in excess of 222 mph without the signature tunnel of black smoke that was typical of diesels on the Salt. Ultimately, this Gale Banks-engineered Dodge Dakota, powered by a Cummins 5.9L turbo-charged diesel engine, succeeded in setting nine records in only seven passes, including two driver licensing runs.