

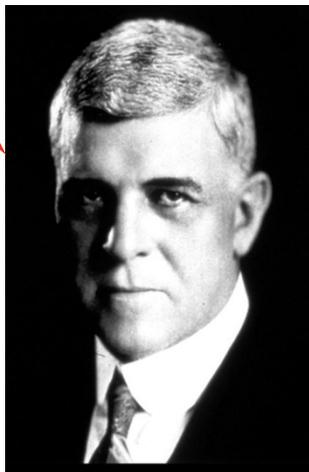
Cummins Indy Racing

**Ric Kleine
VP Midrange Quality**

**Deer 2009 Conference
4 August 2009**



The beginning...



W.G. Irwin



Clessie Cummins



The Promoter



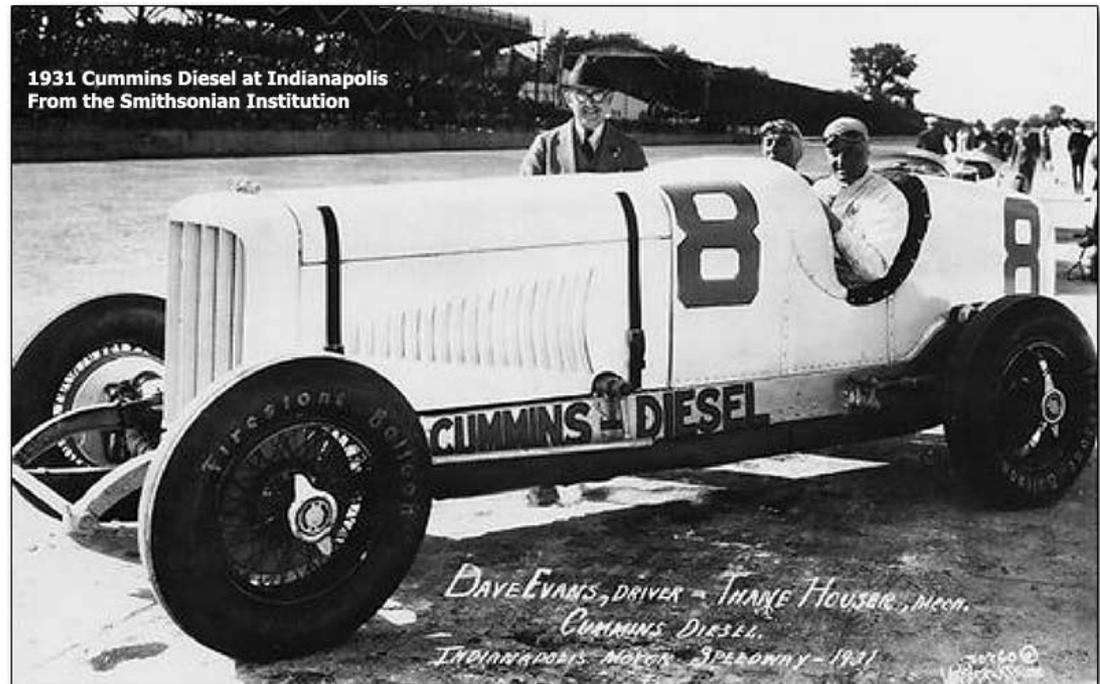
First Indy Diesel Racer

1931

**Indianapolis 500
Cummins Diesel No. 8
Duesenberg racecar**

**Qualified 17th
Finished 13th
85+ hp @ 1800 rpm hp**

**First and only race car
to complete the Indy
500 non-stop.**

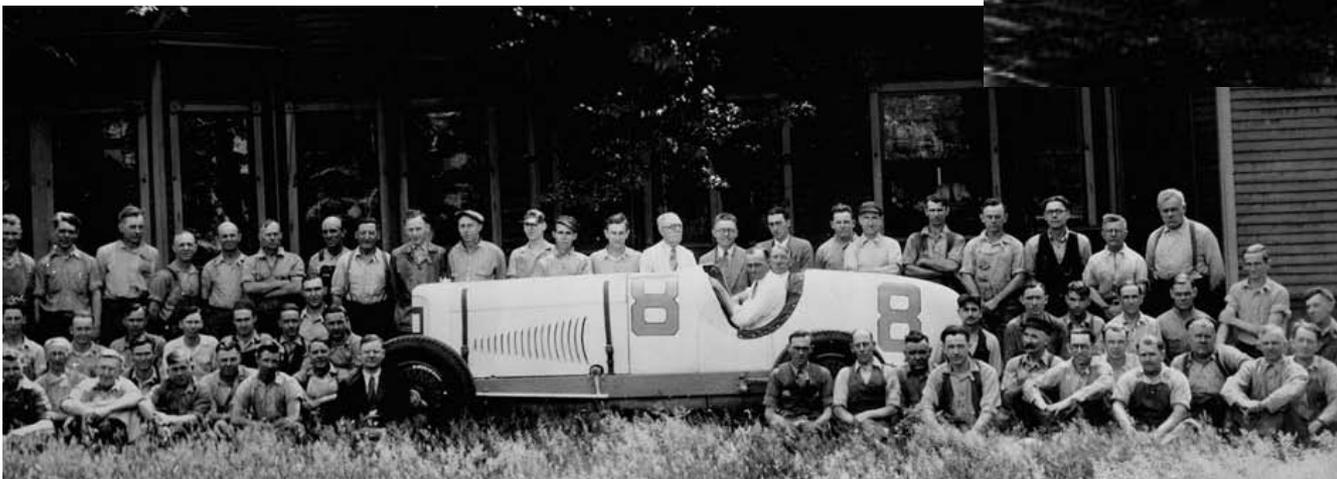


First Indy Diesel Racer

1931

After the 500 mile race ...

- engine untouched
- Canvas top, side mounted trunk, windshield and headlights added
- Cummins and Irwin demonstrated in Europe



The Nearly Identical Duo



1934

Cummins entered two cars into the Indy-500

- No. 5 car was a 2-cycle
- No. 6 car was a 4-cycle
- The cars set 12 different world records in the race including highest speed and best finish for a diesel powered car
- The 4-cycle proved more dependable, efficient and more powerful than the 2-cycle variant
- Cummins stands by Clessies Cummins decision to abandon the 2-cycle to this day

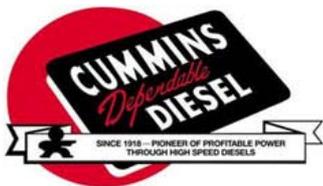


The 'Green Hornet'

1950

Indy 500, Cummins No.61
Green Hornet

- 340 hp @ 4000 rpm racing version of the JBS-600 engine with supercharging
- Kurtis-Kraft chassis

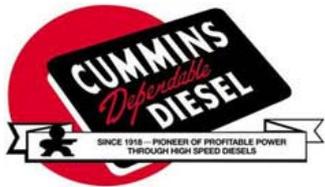


165 mph 'Green Hornet'

1950

Cummins No.61 *Green Hornet*

- The 340 hp racing version of the JBS-600 engine
- Engine was supercharged with new PT fuel injection
- Become the world's fastest diesel at 165 mph on the Bonneville Salt Flats in Utah
- Six total diesel speed records over 1, 5 and 10 miles

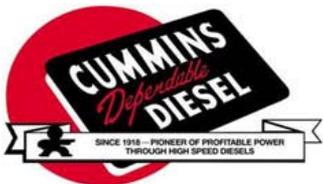


'No.28' Indy Racer

1952

Indianapolis 500
Cummins Diesel Special
No. 28

- Kurtis-Kraft chassis
- 430 hp low profile JBS-600 engine

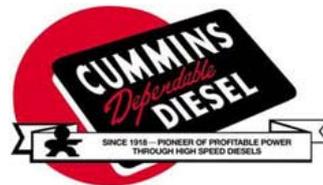


'No.28' Indy Record Breaker

1952

Cummins Diesel Special No. 28

- Pole position @ 138 mph
- Design features
 - Turbocharging
 - Horizontal engine layout
 - PT fuel injection system
 - First car to be wind tunnel tested
 - Low profile - drivers seat 4 inches (102mm) from track
- Damage forced No.28 to retire after 100 miles on pace with the race leaders



Thank you!

