

**ACES II will pay for itself and has many valuable benefits available to the user at no additional costs.**

**These benefits are:**

- Replace the lubricity lost to low-sulfur fuels
- Provides an upper cylinder lubricity to reduce wear up to 90%
- No anti-gel needed unless temperature drops below -20F°
- Up to 10% more horsepower
- Up to 50% less smoke and particulate matter emitted from exhaust
- Faster starting
- Remove algae and bacteria
- Up to 10% more torque
- Totally cleans injectors
- Clean valves-no buildup
- Cleaner oil
- Smoother idling
- Less down time for repairs
- Up to 10% fuel consumption reduction
- Up to 20% NOx reduction
- Up to 66% less emissions

## **ACES II** Fuel Catalyst Technology

**ACES II is not a fuel additive. This is a brand new technology scientifically known as a fuel catalyst.**

- Over one million gallons of fuel catalyst sold.
- Over two billion gallons of fuel treated.
- Scientifically proven in lab tests
- This product will not harm your engine



Scientifically proven in lab tests- This product will not harm your engine! The manufacturer CANNOT void warranty if you use this product. Please contact us if you are told this product will void your warranty.

**Military technology 25 years ahead of all fuel additives**

**Make an appointment for a live demonstration  
Phone: 508.842.1001  
Or visit us online at: [www.hitechfuel.com](http://www.hitechfuel.com)**

**See reverse for more information and test results.**

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**HiTech Fuel is dedicated to understanding the needs the users of diesel powered equipment face and understand the varied choices in the fuels marketplace. We are committed to supplying what we feel is Americas foremost answer to renewable fuels and a giant step towards more independence from imported oil. A functional renewable fuel that also has many environmental benefits in the diesel fuel arena. As you are aware, EPA Phase III standards are rapidly approaching, and many competitors will NOT meet these new specifications. They also will be unprepared for the ensuing results of those changes. HiTech Fuel wants to help you:**

Grow your bottom line pretax profit - ACES II will reduce your fuel consumption by 10% or better. With rising fuel costs... there is no better time than now to use ACES II and put more money in your pocket.

As part of the Clean Diesel Trucks and Buses program, the EPA will reduce the level of sulfur in highway diesel fuel by 97% starting in 2006. The Clean Air Nonroad Diesel rule will reduce 3000 parts per million to 500 parts per million (ppm) beginning in 2006. With the removal of sulfur from Diesel, engines will be subject to less lubricity. With ACES

II you will have a superior lubricant that lubricates the Upper cylinder and will easily replace the lubricity lost to the low-sulfur fuels in 2006. ACES II adds lubricity back in at a level that would be equal to a sulfur content of 9,000 ppm. Achieve a faster starting and a wet start every time with ACES II.

Reduce NOx emissions up to 20% and up to 50% less smoke and particulate matter with ACES II. With ACES II your equipment becomes Tier III compliant assisting in the reduction of 12, 000 premature deaths, 8,900 hospitalizations, 15,000 heart attacks, 1 million work days lost, and contributes to the annual monetary value of benefits at \$80 billion.

ACES II will also eliminate algae and bacteria in your diesel fuel. This is particularly important with the new low sulfur level diesels in the market which increase your exposure to higher contamination. ACES II cleans the fuel system to attain maximum performance. No carbon or varnish build-up in the fuel system.

**Conserve our fuel resources and reduce our dependency on foreign oil.**

## ACES II Testing Results

- Caterpillar 1-K Test conducted by the Southwest Research Institute
  - After 252 hours, the catalyst eliminated friction wear in the upper cylinder area.
  - There was NO scuffing of the cylinder liner, piston or rings.
  - Note: Virtually all present diesel additives start having wear problems around 130-140 hours of testing.
  - ACES II finished the entire 252 hours and had one of the best outcomes.
  - ACES II raised both the BTU and the cetane of the diesel.
- Maryland & Delaware Railroad
  - Product was used in 2 locomotives (16-567-BCEMD engines- a \$5 Million Dollar Engine).
  - At 0900 hours a noticeable reduction of fuel usage.
  - At 1200 hours approximately 50% reduction in smoke and harsh fumes.
  - By 1500 hours increased power with less throttle.

In conducted tests the use of ACES II along with ACES III improved the fuel economy by an additional 3% to 4%.

- P. J. Dick Inc. / Trumbull Corp. / Lindy Paving, Pittsburgh, PA (ACES II and ACES III)
  - Equipment tested - Caterpillar D9N
  - Hydraulic temperature was reduced 14.3 degrees in the paver