



NEW STANDARD OF

**Antioxidants & Anticorrosives**

**CONFORMING TO MILITARY GRADE SPECS!**

Introducing NEW Ethanol Shield  
**Engineered to the  
Highest Standard**

*Conforms to Military Specifications (Mil-Spec) for Antioxidants and Anticorrosives...This Level of Protection Has Never Been Available To The General Public Until Now*

*Vapor Corrosion Inhibitor - Protects against corrosion above and below the fuel line for non-ferrous metals*

*Proprietary Top Tier Detergent – reduces need for higher octane as machine ages*

*Phase Separation Inhibitor*

*Mil-Spec All Metal Anticorrosive Package (Top Level ASTM & NACE Ratings)*

*Mil-Spec Antioxidant Package - Up To 25X More Antioxidants Compared To Leading Competitors*

*Bonds 2 Cycle Oil To Gasoline / Ethanol Mix*

*Combustion Cool Technology (CCT)*

*Upper Cylinder Lubrication*

*15% More Rubber and Plastic Protection Than Today's Ethanol Shield*

*Dramatically Slows Fuel Aging (See Third Party Verification Other Side)*



**THE HIGHEST STANDARD OF PROTECTION - 24•7**

**[www.B3Cfuel.com](http://www.B3Cfuel.com)**



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# Antioxidants & Anticorrosives

CONFORMING TO MILITARY GRADE SPECS!

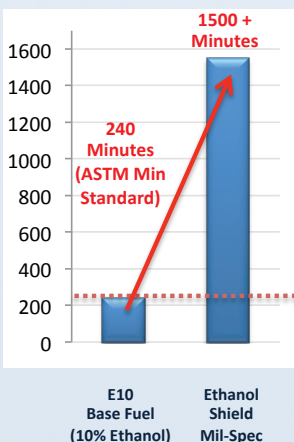
## Third Party Lab Test Results

### Oxidation Stability (ASTM TEST D525)

Shows time (in minutes) for fuel to become unstable (e.g. break down, form gums)

**RESULT:** Ethanol Shield greatly increases stabilization, more than 6X than fuel without our additives.

E10 Fuel (10% Ethanol) vs Treated Fuel

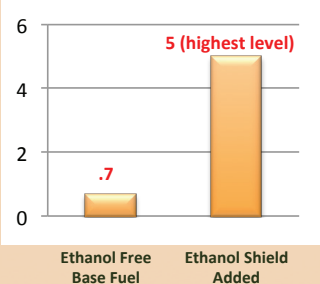


### Corrosion Rating 1 - 5 (NACE Standards TEST for ferrous metals)

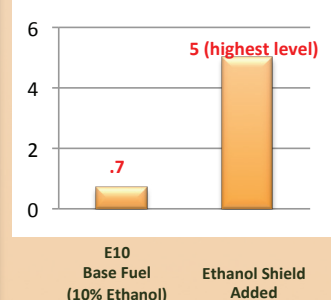
Shows the rating from 1 (poor) to 5 (excellent) of the ability to resist corrosion, per NACE standards. NACE International is the world's leading professional organization for the corrosion control industry.

**RESULT:** Ethanol Shield has the highest rating for corrosion resistance, vastly improving fuel's corrosion resistance beyond those without our additives.

Ethanol Free Fuel vs Treated Fuel



E10 Fuel (10% Ethanol) vs Treated Fuel



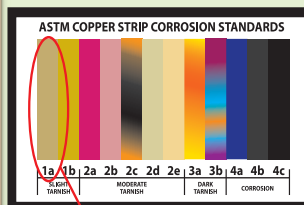
### Corrosion Protection (ASTM TEST D130)

This test evaluates the degree to which a lubricant will corrode copper-containing materials (i.e. bronze, brass)

- Rates oils by immersing a prepared copper strip in the lubricant at 2 temperatures in typical range of operation.
- Ratings range from "1a" with slight discoloration, but barely noticeable (similar to a freshly polished strip), to "4c" or severely corroded, blackened and pitted.

**RESULT:** Ethanol Shield received the highest rating of "1a".

ASTM Copper Strip Corrosion Standards



Ethanol Shield received a "1a" rating in the ASTM D130 test.

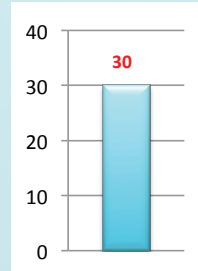
### Cleaning (Nitrogen Content)

Shows the tested Nitrogen content in Parts Per Million (PPM) of our products.

Nitrogen content is an indicator of cleaning ability.

**RESULT:** Our additives (Top Tier Detergent) are shown to have a high Nitrogen content, known for its cleaning capability. Our targeted formulation and resulting Nitrogen content will improve cleaning capability even further.

Ethanol Shield PPM\*



\* PPM test results indicate 2.05 for Ethanol Shield. New formulations increase PPM to targeted results of 30.

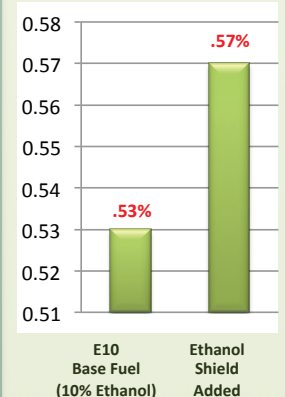
### Water Tolerance (Modified ASTM TEST E1064)

Shows % of water fuel is able to tolerate or "hold" in suspension until Phase Separation occurs.

Phase Separation is the point the ethanol and water in the fuel combine and reach a saturation point. At saturation, this mixture "falls out" and settles on the bottom of a tank.

**RESULT:** Our additives are proven to increase the threshold at which Phase Separation occurs, thereby helping prevent Phase Separation and its negative effects.

E10 Fuel (10% Ethanol) vs Treated Fuel



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