

## VpCI®-705 Bio Additive for Bio-Fuels

### DESCRIPTION

VpCI®-705 Bio is specially formulated for use as a multifunctional fuel additive in biodiesel and other bio-fuels. It serves as a corrosion inhibitor and water emulsifier for biodiesel, diesel, and gasoline.

VpCI®-705 Bio provides excellent corrosion protection for all of the common engineering metals used in automotive fuel systems including aluminum, aluminum die cast and zinc die cast alloys, tinplate, copper, ferrous alloys, cast iron, and solder. VpCI®-705 Bio gives unique multimetal corrosion protection in all phases: liquid, interface, and vapor phases for protection above and below the fuel level.

### PACKAGING & STORAGE

VpCI®-705 Bio is available in 5 gallon (19 L) pails, 55 gallon (208 L) drums, liquid totes, and bulk.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

### VpCI® FORMULATED PRODUCTS FOR PROCESS INDUSTRIES



### TYPICAL APPLICATIONS

- Fuel tanks
- Carburetors
- Fuel pumps
- Upper engine cylinder components

### ADVANTAGES

- May be used in storage
- Provides efficient corrosion protection in biodiesel, diesel, and gasoline
- Protects all metals including tinplate, solder, copper, aluminum, steel, and brass
- Protects upper cylinder walls, piston heads, and rings during shutdown
- Provides protection in liquid and vapor phase and at liquid/air interface
- Passes rust test in accordance to MIL-I-25017
- Passes rust test in accordance to ASTM D665-92
- Does not contain trace metals, chlorides, chromates, nitrites, or phosphates
- Does not form corrosive combustion products

### PHYSICAL PROPERTIES

Appearance	Clear Amber Liquid
Density	7.3-7.6 lb/gal (0.87-0.91 kg/L)
Specific Gravity	0.89
Odor	Vegetable-Oil-Like
Flash Point	168.8 °F (76 °C)
Viscosity (Brookfield)	17 cSt
TAN (Total Acid Number)	28.9 mg KOH/g
Non-Volatile Content	80.0-85.0%

# VpCI®-705 Bio

## APPLICATION

### *In-use fuel tanks*

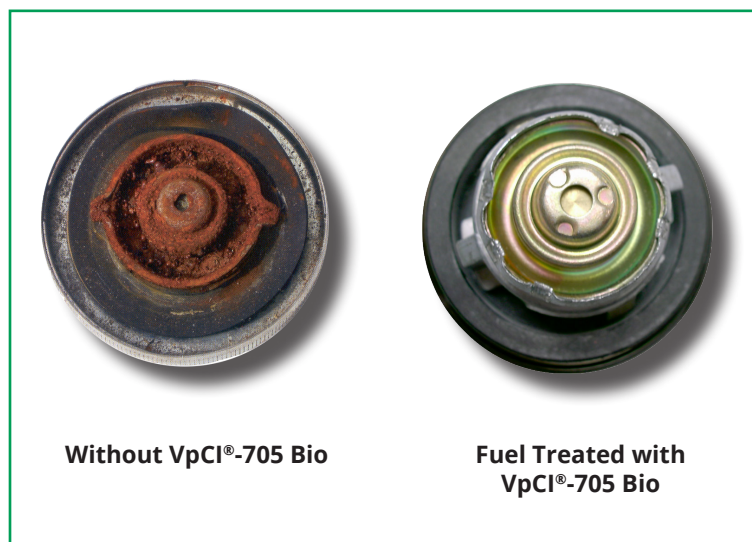
Add VpCI®-705 Bio to biodiesel, gasoline, and diesel fuel; fuel blending and storage facilities; or directly to fuel tanks.

Dosage: 0.1 - 0.2% per volume.

### *Storage and shipment of dry fuel tanks*

Fog VpCI®-705 Bio into tank, covering as much internal surface area as possible.

Dosage: 1.5 oz. per 10 U.S. gallons tank volume (45 mL per 37 liters of tank volume).



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