

QUALITY FUEL ADDITIVES





Tal Technologies Inc. ("TTI"), is manufacturing a variety of fuel additives marketed under the trade name - TK-7®. TTI's staff has more than 18 years of accumulated expertise in the field of developing and manufacturing a variety of true multi-functional and high quality fuel additives, and in the development of customized additives for specialty fuels. TTI manufactures multi-benefit additives for bulk blending, military and fleet applications, racing cars, and aftermarket products. As a results, our multi-functional products contain the world's foremost advanced technologies on maximizing the unique features of these products.

functional features has enabled us to successfully develop a number of related specialty products for all types of engines and applications. Each product contains the same base formulation, however, the chemical composition ratios of each product vary, including the addition of other compounds to improve and/or enhance the performance of the base fuel used, as well as, to fit each specific engine or application. Today, TTI manufactures four products for bulk gasoline blending, three products for bulk/fleet diesel and fuel oil blending, three specialty products for diesel and fuel oil bacterial contamination treatment, specialty



### **MULTI-FUNCTIONAL FUEL ADDITIVES SPECIALTY**

The initial development of the multi-functional fuel additive was for specialty military application. The base initial formulation was developed and designed to provide three main features: improve the fuel's ignition/combustion properties, fuel system and combustion chamber detergency, and top cylinder lubricity. Spending years of emphasis on understanding these three initial multi-

military diesel fuel treatment and preservation, four racing fuel additives, five aftermarket products, and customized and private labeling products.

### **IDENTIFYING CUSTOMER'S NEEDS AND SATISFACTION**

Our products have a wide variety of uses in all fuel related industries. Each product is designed to provide the most value to customers whose needs have driven TTI to focus on technical and service support programs and continued research.

A continued exploration of new product development, as well as modifications and improvements to current products, to fit any changes in the industries, modification to engine design, or fuel manufacturing process, has been essential to the success of TTI and its customers satisfaction. Working closely with customers who have specific needs, and to whom TTI provides service and technical support, allows us to monitor very closely the changes needed and to respond expeditiously to meet those needs. In many situations, TTI has developed prevention and maintenance programs for customer's specific applications which resulted in substantial long term savings and reduction in maintenance cost and break-down.

### **MANUFACTURING AND DISTRIBUTION**

TTI is privately held, owning it's own laboratories and manufacturing facilities consisting of approximately five acres of land and approximately 30,000 square feet of industrial building. The plant, laboratories and offices are located near Downtown, Oklahoma City, Oklahoma, U.S.A. It is centrally located near two major U.S. interstates (I-40 and I-35).

The current tankage capacity is at about 80,000 gallons which converts to a production capability of about 1.4 million gallons a year (5 days week at 200,000 @).



Since the company is not utilizing its entire land, there is ample room for expansion, should such need arise.

The production facility is modernized, which is essential in assuring manufacturing quality control. Each raw material is inspected and monitored, as well as each step of the manufacturing and filling process.

Significant improvements have been made to the plant which gives our operators and maintenance team the technology to ensure safe, and reliable plant operations and production of consistent products.

The plant has an easy and accessible loading rack for tanker loading, drum filling, and has a separate area for handling the filling of smaller containers, such as 5 gallons, 1 gallon, quarts, and 5 oz. containers using fully automated and semi-automated filling equipment.



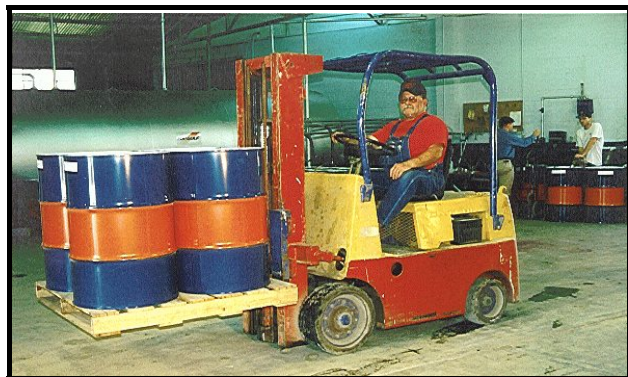
Since the plant is centrally located in the United States, it allows us to deliver products to customers within a relatively short time. Likewise, we are able to deliver to most international ports within one day (Houston, New-Orleans), and within 2-3 days to the different U.S. coasts (Florida or California).

### **CUSTOMER SUPPORT**

In addition to providing technical support for our products, we also provide specialty services to our customers. This includes assisting refineries and fuel terminals in designing automated



additive injection systems; fuel preservation programs; bacterial contamination handling; which includes analysis of contamination level, treatment, prevention programs, and future fuel preservation programs and treatments.



In many situations, our technical staff will travel to the customer's location and supervise the installation and/or treatment process. On site support, has proven, in many cases, not only to save the customer money, but also to dramatically reduce operation down-time. Better understanding of the customer's needs, enables us to further research and develop newer or improved products, as well as developing prevention programs for future handling and use.



#### **CUSTOMERS SATISFACTION GUARANTY**

The company's policy is to provide its customers with the best products and services available. To

assure customers satisfaction, the company guarantees all its products, which includes full credit and/or refund. TTI has never experienced such dissatisfaction; however, the company continues to offer all of its customers the "satisfaction guarantee" policy.

#### **ENVIRONMENTALLY SAFE PRODUCTS**

All of the TK-7 products received the highest recognition of the U.S. Environmental Protection Agency ("EPA") by "falling" within the "Substantially Similar" category requirements. The products not only meet the EPA's *Substantially Similar* category, but in fact, helps in reducing un-healthy emissions from engines and heavy equipment applications. All of the TK-7 bulk products are registered with the U.S. EPA and meets the current regulation requirements.



The company keeps track of all new environmental studies as well as all modifications which are planned for the future. Such activities helps us understand the future market and enables us to conduct further research in achieving the new modification needs.

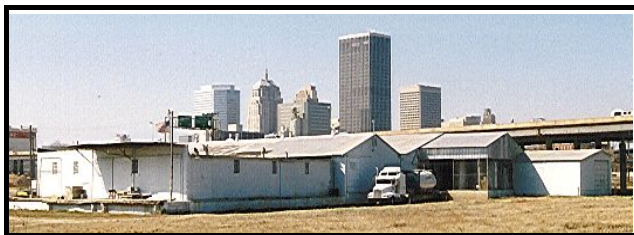
#### **THE TK-7'S UNIQUE PRODUCTS**

All TK-7 additives are multi-benefit offering multi-features. The base formulation for all of the products provide three main features:

**FUEL SYSTEM & COMBUSTION CHAMBER  
DETERGENTS**

**IGNITION IMPROVER / POWER BOOSTER  
AND  
TOP CYLINDER LUBRICATION**

Other compounds are added to certain products to provide additional benefits/features. In addition, each product's base formula compounds are blended in different ratios to emphasize one (or two) benefit(s) as the main benefit(s), with the other compounds as secondary features. For example: The TK-701, which is a Gasoline Bulk concentrated formula, contains a higher dosage of the detergent compounds so the additive can be used in a stronger dosage for bulk blending (desiring detergent effect as it's main feature). Similarly, the diesel and fuel oil additives, in addition to the three main features, also contain pour point depressants (to lower the fuel gelling temperature) and biocide (to preserve the fuel, eliminate, and "kill" bacterial contamination).



The fuel additive products are divided into three divisions:

- BULK & FLEET DIVISION**
- RACING DIVISION, and**
- AFTERMARKET DIVISION**

The Bulk & Fleet Division manufactures two groups of products: The TK-701 series for gasoline applications and the TK-704 series for diesel and fuel oil application. The Bulk products are manufactured in a concentrated form, making it very economical and easy to blend with large volumes of fuel.

The Racing Division manufactures four different additives designed for the following racing engine's application:



**HIGH PERFORMANCE GASOLINE ENGINES**

**RACING TWO STROKE ENGINES**

**ALCOHOL RACING ENGINES, AND**

**NITROMETHANE BURNING ENGINES**





The Aftermarket Division manufactures five different additives. Four additives designed for various gasoline engines and application, and one additive for diesel engines.



The aftermarket products are designed for use by the retail consumer. These products are packed in a convenient 5 oz. container and one gallon container (economic pack).



In addition to the "standard" bulk products, TTI's Research and Development ("R&D") Division designs and custom blends formulas to meet the bulk users' specific requirements.

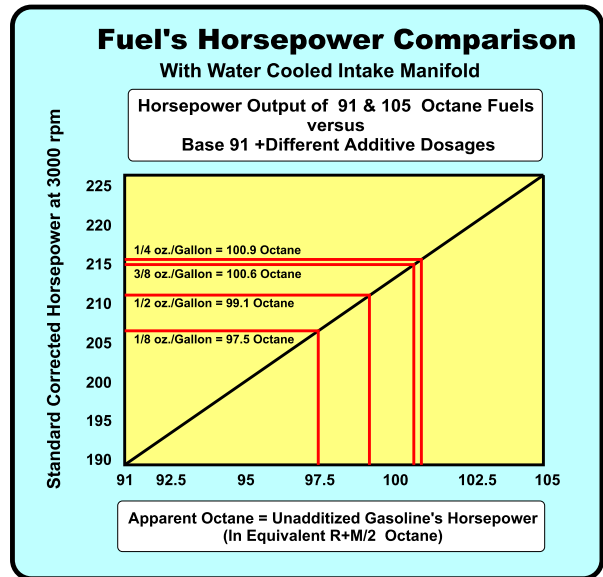


Also, TTI's R&D Division offers bulk customers additional services including field and laboratory testing.

### TK-7'S MULTI-FUNCTIONS SPECIFIC FEATURES AND BENEFITS

The following are types of specific features and benefits that can be achieved with the use of the TK-7 products.

**IGNITION IMPROVER** - The primary benefit is the improved firing and burn rate, which leads to improved fuel efficiency, restoring engine power, and improved cold starts.



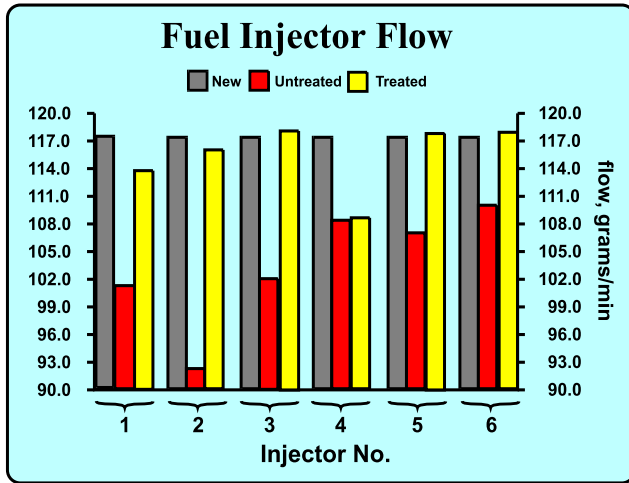
**OXYGEN AGITATOR** - A catalyst that improves and releases additional oxygen and nitrogen during combustion.

**METAL DEACTIVATOR** - Prevents copper and other alloys from catalyzing the oxidation process and helps to eliminate the formation of gum deposits. The De-Activator surrounds the alloys (especially copper) and renders them inactive.

**ANTI-OXIDANT** - This feature stabilizes the base fuel, especially lower grade fuel or fuel that is processed with higher Olefinic materials from thermal or cat cracking processes.

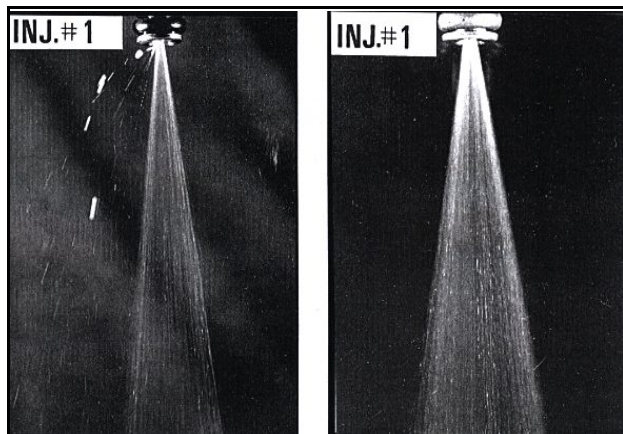
**CORROSION INHIBITOR** - This compound forms a protective film which prevents water from contacting the metal or other alloy surfaces. It works extremely well on aluminum, copper, bronze and magnesium.

**DEPOSIT CONTROL** - This compound helps dissolve deposits & solids, promotes molecular balance, reduces knock & after-run caused by deposits in the base fuel.

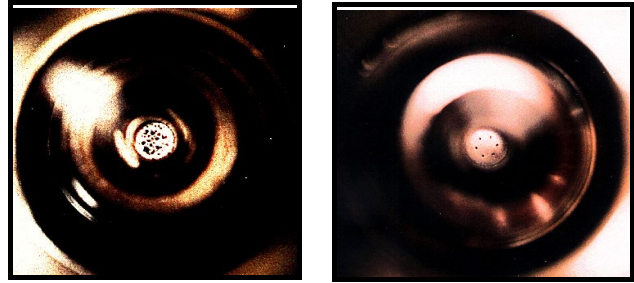


**INJECTOR & CARBURETOR CLEANER** - A compound, which works by solvent action to hold deposits in solution so they do not plate out. This will result in a cleaner carburetor plate or fuel injector tips & ports resulting in an improved spray pattern.

CLOGGED INJECTOR      AFTER TK-7 TREATMENT



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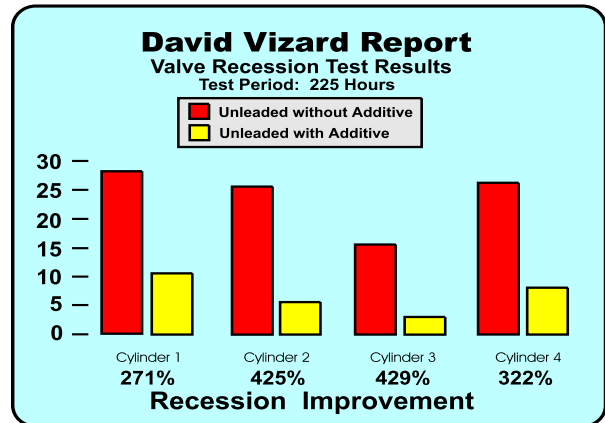


**DISPERSANT** - Will absorb particles and keep them suspended with the base fuel.

**ANTI-ICING** - Improves pour point (fuel gelling) and prevents ice formation in the carburetor throat, throttle plate and fuel lines.

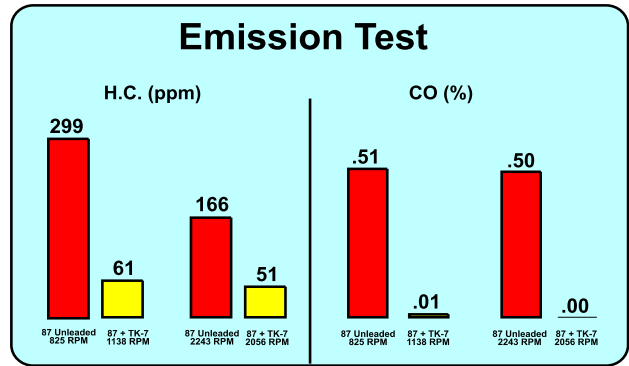
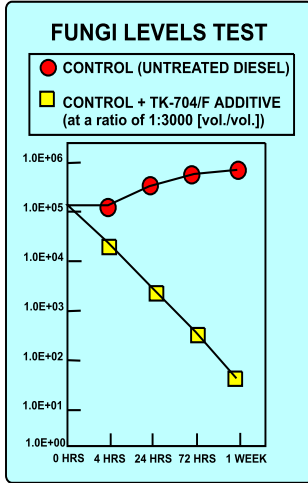
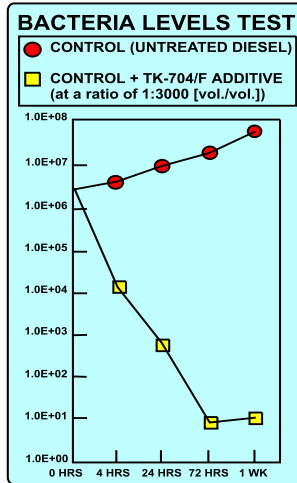
**COLD FLOW IMPROVER** - Retards wax and crystal formation so they do not restrict fuel flow.

**GENERAL DETERGENTS** - Immediately reacts with the base fuel to prevent varnish and lacquer build-up in the fuel system, valves and the entire combustion chamber area.

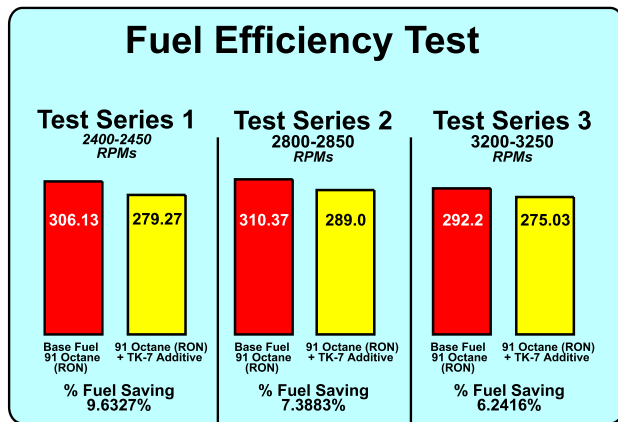


**TOP CYLINDER LUBRICANT** - This benefit is a result of the burning of the formulation during combustion. The by-product of this reaction is a form of synthetic lubricant that cushions the valves & valve seats, cylinder walls and rings. This lubricant helps reduce friction, overheating, and prevents carbon build up in the combustion chamber area.

**BIOCIDE** - Kills and eliminate future bacterial contamination including bacteria, fungi and yeast. (The Biocide is added mainly to diesel and fuel oil additives).



The continued use of the TK-7 additives will help in reducing emission, reduces fuel consumption, and improve engine performance while reducing down-time and maintenance .



QUALITY FUEL ADDITIVES

**“DON’T RUN WITHOUT IT”**

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