



**LOWERGY UK**

**BETTER FUEL ECONOMY | REDUCED EMISSIONS**

CUSTOMERS IN MORE THAN 20 COUNTRIES | PATENTED IN MORE  
THAN 20 COUNTRIES | US EPA REGISTERED | SINCE 2008

# INTRODUCTION

Established in Utah, Rennsli's R&D & Production Facility is located in Orem, Utah, USA

Rennsli has developed a patented fuel catalyst called Ferox

During the rest of this presentation, when referring to our product and service offering, we will refer to either "Rennsli" or to Rennsli's fuel catalyst - "Ferox".



# THE BENEFITS

Rennsli has developed a Non-flammable, Patented & EPA Registered Fuel Catalyst.  
The fuel additive significantly improves engine combustion and performance



**REDUCES HARMFUL  
EMISSIONS**



**IMPROVES  
FUEL ECONOMY**



**REDUCES  
ENGINE WEAR**

# THE FACTS

A semi-truck with a white trailer and a blue cab is driving on a road at night. The truck is moving towards the viewer, and its headlights are on. The background is dark with some light streaks, suggesting motion blur or a long-exposure shot. The overall scene is illuminated with a mix of blue and white light.

- **Works in all Combustion Engines, in all Fuels & is non-flammable**  
(works in Gas/Petrol/Diesel/Renewables/Bio - regardless of Octane)
- **Improves Catalytic Combustion & Fuel Economy**
- **Reduces Harmful Emissions & Engine Wear**
- **EPA Registered & Patented in more than 20 countries**
- **Demonstrated results with hundreds of satisfied B2B Customers in more than 20 Countries**
- **Scientifically Tested & Empirically Proven**
- **Does not alter the OEM Fuel Specification (Octane, Cetane, Lubrication, Gelling, etc)**
- **\$2 Millions Liability Insurance when testing/using the product**  
No insurance claim against Rennsli's fuel catalyst since inception.

# HISTORY OF RENNSLI CORP

Rennsli Corp, Utah, USA, has developed and distributes a revolutionary fuel catalyst under the name Ferox.

Today's product emerged during projects with Hercules Aerospace Co. and Morton ATK Thiokol Inc., seeking maximum performance of their solid fuels for military and aerospace rockets in the 1980's and 1990's.

The PhD Chemist leading the research, Dr. Wesley Parish, saw similarities in the need for burn-rate modifiers for solid rocket & hydrocarbon fuels.

Dr. Parish began engineering a fuel additive that improved the combustion process in an engine.

Rennsli is now managed by Dr. Parish's son, Thomas Parish. Thomas spent the past years reorganizing the business strategy & focus, and the company is currently expanding aggressively around the globe.

As US fuel prices have historically been very low, the commercial focus has been on Mining, Energy Production, Trucking & Heavy Machinery.





ENGINE COMBUSTION

## THE COMBUSTION PROBLEM

Fuels & their inability to burn efficiently is the main cause for environmental problems, equipment longevity, and other operational problems related from inefficient combustion.

# ENGINE COMBUSTION

Uneven, inefficient & incomplete combustion leads to engines running below peak efficiency, creating:

- **Poor Fuel Efficiency**  
Increased Fuel Cost and Reduced Power
- **Increased Maintenance Costs & Reduced Equipment Life**  
Carbon Deposits leading to Component failure  
Soot Build-up (in the oil) creating higher viscosity in the Lubricant
- **Harmful Exhaust Emissions & Unburned Fuel**  
Unburned Fuel creates Harmful Particulate Emissions Incomplete Combustion generates Harmful By-Products (NO<sub>x</sub>, VOC).

NO<sub>x</sub>: Nitrogen Oxides. Toxic gas molecules that are chemical compounds between Nitrogen & Oxygen. They are an essential component of Air Pollution.

VOC: Volatile Organic Compounds are some of the most prolific air quality hazards. These toxic airborne particles can pose multiple health hazards & need to be effectively filtered out to achieve optimal air quality.



## RENNSLI'S SOLUTION

Rennsli's patented fuel technology is comprised of a highly pure solid aromatic (non-flammable, bio-degradable) which delivers the catalytic function during the combustion process

When mixed with a fossil fuel, our product integrates completely with the fuel without altering fuel specifications\*

(\*Octane, Cetane, Lubrication, Gelling, etc)

When the fuel technology is introduced, the available energy is more efficiently converted to work - leveraging efficiency gains

With a more efficient combustion, harmful emissions decrease, and fuel economy can be improved

It also works in diesel vehicles that use AdBlue (but should not be put into the AdBlue tank)

# THE RESULTS



## **IMPROVED COMBUSTION PROCESS**

Patented & EPA Registered



## **REDUCES HARMFUL EMISSIONS**

Over -50% reduction in soot per independent lab tests and real-world testing



## **DECREASES FUEL CONSUMPTION**

The exact percentage decrease depends on multiple variables. Individual testing needed for each case



## **DECREASES ENGINE WEAR**

Acts as a lubricant for the engine and reduces combustion byproducts that wear metals



## **INCREASES ENGINE PERFORMANCE**

Improved combustion leads to more power.



# QUALITY ASSURANCE

Our product works in all types of combustion engines (cars, boats, ships, buses, industrial factory engines, motorbikes, small and large engines alike)

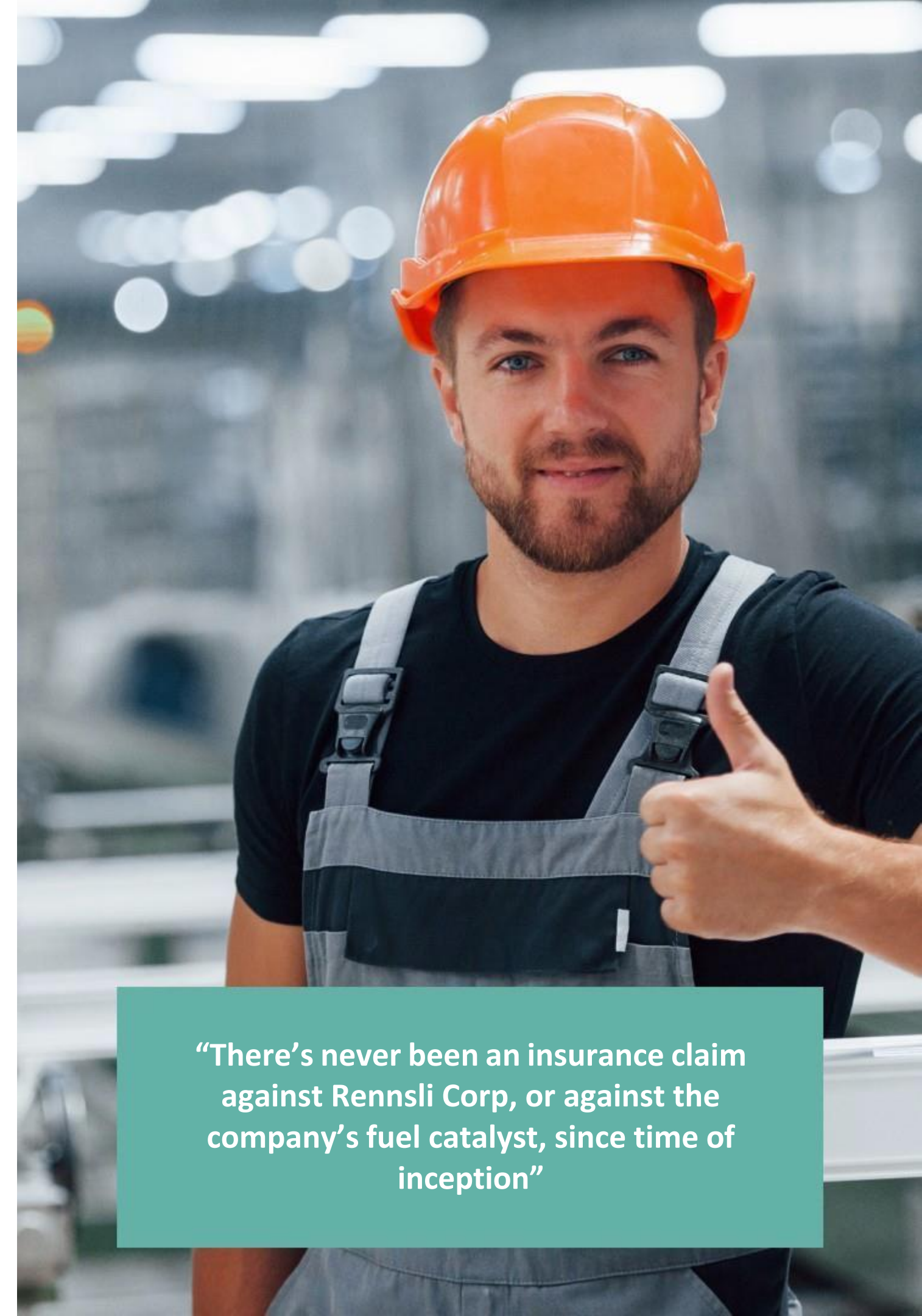
Rennsli's fuel catalyst also works in all types of fuels (gas/petrol, diesel and natural gas)

Our product integrates completely with the fuel without altering fuel specifications (Octane, Cetane, Lubrication, Gelling, etc.) and only activates during the combustion process

It has no chemical reaction with other fuel additives. All the fuel treated with Ferox is OEM compliant

The product does not create, or leave any residue, in or outside the engine

Rennsli has not had one single case of engine damage since established \$2 Million Liability Insurance, via Rennsli, for companies that use, or test, the product.



**“There’s never been an insurance claim against Rennsli Corp, or against the company’s fuel catalyst, since time of inception”**

# ENGINE WARRANTY

## CAN RENNSLI'S PRODUCT VOID AN ENGINE WARRANTY?

Using Rennsli's Fuel Catalyst at the recommended dosage, will never cause damage to an engine (it's actually the other way around\*)

\*When our product is used correctly & frequently, it will extend engine life as it acts as a lubricant, cleaning the engine of soot & carbon build-up

Rennsli's fuel catalyst is tested & supported with extensive research & scientific, objective, testing

The fuel catalyst does not contain detergents, but can work in synergy with the chemistry (combustion environment) of detergents.



"Our fuel catalyst will not void any Engine Warranty as it does not change the OEM Fuel Specifications"



# APPLICATIONS

COMMERCIAL SECTORS





## TRANSPORT

Rennsli has a long history of working with transportation companies across the globe. Our fuel catalyst works perfectly in any type of van, bus, trolley, as well as in cargo and transportation vehicles. Our list of customer references in the transportation industry is extensive.

**MOTORHOMES...**



## MINING

Fuel costs are a significant portion of a mining company's costs. Rennsli's relationship with the mining industry goes back 20+ years and we continue to work with some of the world's largest mining companies, helping them to lower their fuel costs and prolong engine life in heavy machinery.



## SHIPPING

The shipping industry consumes massive amounts of fuel as ships are heavy and usually also carry heavy cargo. Water and wind resistance also add significantly to a ship's fuel consumption. Shipping is, therefore, an industry that Rennsli has targeted as one of our coming key strategic industries for 2025 and beyond.



## INDUSTRIAL

Since our fuel catalyst can be used in any machine that burns fuel, Rennsli has extensive experience from working with industrial combustion equipment. We have a long list of satisfied customers from the industrial sector, spanning from the US and Canada, to Lebanon, India, Pakistan, Mexico and beyond.

**FARMING...**



**LOWERGY**

**Lowergy Ltd**

**Oban, Argyll, Scotland**