



## **ALITHICON GASOLINE & DIESEL FUEL IMPROVER**

*THE PREFERRED FUEL TREATMENT FOR BOTH GASOLINE AND DIESEL FUEL*

*A MODERN DIESEL FUEL TREATMENT, MEETING THE NEW E.P.A. LOW SULFUR REQUIREMENTS, WITHOUT SACRIFICING EQUIPMENT PERFORMANCE.*

REGULATION BY THE E.P.A. MANDATE THAT ALL DIESEL FUELS INTENDED FOR ON-HIGHWAY USE MUST HAVE A LOW SULFUR CONTENT. CURRENT FUELS HAVE A SULFUR LEVEL OF ABOUT 0.25%, WHILE NEW FUELS ARE REQUIRED TO HAVE A 0.05% MAXIMUM.

IN ORDER TO REDUCE THE SULFUR LEVEL TO VALUES OF 0.05% AND LESS, A REFINING PROCESS CALLED "HYDROTREATING" IS UTILIZED. THIS PROCESS ALTERS THE MATERIAL BY CHANGING SOME OF THE AROMATIC COMPOUNDS TO SATURATES, WHICH CAUSES THE PROBLEMS. IT IS THE REMOVAL OF THE POLYAROMATICS, NITROGEN, AND SULFUR COMPOUNDS THAT IS REDUCING THE PROPER BOUNDARY LUBRICATION, BETWEEN THE LOADED MOVING PARTS. INSPECTIONS OF THE FAILED SYSTEMS (PREDOMINATELY, ROTARY FUEL PUMPS) HAS DEMONSTRATED THE INCREASE IN SCUFFING WEAR.

UNFORTUNATELY, REDUCING THE SULFUR CONTENT IN DIESEL FUEL COULD CAUSE AN IMPACT ON THE FUEL ECONOMY BECAUSE THERE SEEMS TO BE A REDUCTION IN THE BTU/GALLON OF ABOUT 10%. THEREFORE, THE REDUCED LEVEL COULD CAUSE AN INCREASE IN FUEL CONSUMPTION.

THE **ALITHICON GASOLINE & DIESEL FUEL IMPROVER** IS FORMULATED TO ENSURE MAXIMUM PERFORMANCE AND LESS ENGINE WEAR, PROVIDING LONGER ENGINE LIFE WITH LESS MAINTENANCE AND DOWNTIME.

THE **ALITHICON GASOLINE & DIESEL FUEL IMPROVER** BREAKS A DROP OF WATER INTO, APPROXIMATELY 1 MILLION PARTS, ABSORBING IT THROUGH-OUT THE DIESEL FUEL, WHICH ALLOWS THE WATER TO PASS THROUGH THE COMBUSTION PROCESS, IN PARTICLES SO SMALL, THE PERFORMANCE OF THE ENGINE IS NOT AFFECTED.

### **USER BENEFITS:**

- \* EASIER ENGINE STARTING
- \* INCREASED POWER PERFORMANCE
- \* REDUCES ALGAE GROWTH
- \* ELIMINATES FUEL INJECTOR NOZZLE PLUGGING
- \* **PROVIDES WATER PROTECTION - ABSORBS MOISTURE**
- \* INCREASES CETANE RATING AS MUCH AS 15%
- \* INCREASES MILES PER GALLON AS MUCH AS 10%
- \* REDUCES BLACK EXHAUST SMOKE TO A LIGHT GRAY HAZE
- \* GREATLY EXTENDS ROTARY FUEL PUMP LIFE
- \* MORE SATISFACTORY ENGINE IDLING
- \* REDUCES DIESEL FUEL POUR POINT

**SEE REVERSE SIDE FOR TYPICAL SPECIFICATIONS.**

# **ALITHICON GASOLINE & DIESEL FUEL IMPROVER**

## **TYPICAL SPECIFICATIONS AND TEST RESULTS**

FLASH POINT, ° F. (ASTM D-92)	119
CORROSION TEST (ASTM D-665)	PASS
VARNISH & GUM TEST (ASTM D-189)	PASS
POUR POINT, ° F.	- 70
SPECIFIC GRAVITY, DEGREES, API	27.5
VISCOSITY SUS @ 100° F.	54.1
VISCOSITY SUS @ 32° F.	296
VISCOSITY SUS @ 0° F.	1205
ACID NEUTRALIZER TEST	EXCELLENT
MOISTURE ABSORPTION TEST	EXCELLENT
COLOR	LIGHT AMBER

### **AVAILABLE PACKAGING:**

- \* 24 / 1 QUART CASE
- \* 6 / 1 GALLON CASE
- \* 6 GALLON PLASTIC PAIL
- \* 55 GALLON DRUM

### **TREATMENT RATIO:**

ONE GALLON OF ALITHICON DIESEL FUEL IMPROVER TREATS 500 GALLONS OF GASOLINE OR DIESEL FUEL. ON THE INITIAL TREATMENT, IT IS SUGGESTED TO MIX ONE GALLON OF ALITHICON GASOLINE & DIESEL FUEL IMPROVER TO 100 GALLONS OF GASOLINE OR DIESEL FUEL TO ENSURE A CLEAN FUEL SYSTEM.

(1) OUNCE OF ALITHICON GASOLINE AND DIESEL FUEL IMPROVER TREATS (3) GALLONS OF GASOLINE OR DIESEL FUEL.

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