

4+ FUEL ADDITIVES

FUEL CONSUMPTION TEST RESULTS

**5 % FUEL SAVINGS
WITH 4+ FUEL ADDITIVES**



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TRUSTED



SINCE 1983

OUR PURPOSE

The benefits of utilizing fuel additives are difficult to observe without quantitative values to reinforce our products' capabilities.

As a result, we conducted a fuel consumption test to calculate and report the clear quantitative advantages of cleansing any fuel system with our **4+ Super Clean** additive and up keeping consistent use of **4+ Premium** to treat your diesel fuel.

1

PREPARING THE GENERATOR

Before testing, the generator had its engine oil and coolant levels checked and topped off. It also had its fuel filter replaced and engine air filter inspected, which showed at least 50% life was remaining.

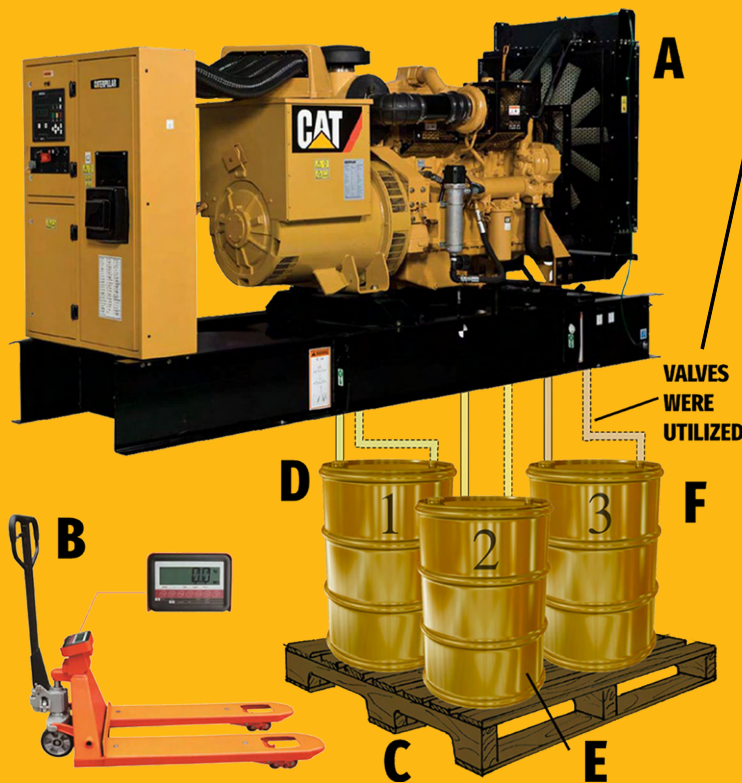
Fuel lines were primed using drum #1, then the engine was started and run up to testing speed.



The load bank was connected and taken up to 200kw in increments. It then remained at these settings throughout the test.

4+

FUEL CONSUMPTION TEST SET-UP



PHOTOS OF VALVES AND DRUMS USED IN TESTING (WITH FUEL FLOWING THROUGH TUBES)

MAIN INSTRUMENTS

A - 3406 CATERPILLAR GENERATOR (22,000 HRS)

B - SCALE

C - PALLET WITH THE 3 TEST DRUMS OF FUEL

D - DRUM #1 (UNTREATED DIESEL FUEL)

E - DRUM #2 (DIESEL FUEL TREATED WITH 1L OF **4+ SUPER CLEAN** ADDITIVE)

F - DRUM #3 (DIESEL FUEL TREATED WITH 60ML OF **4+ PREMIUM** ADDITIVE)

INITIAL WEIGHT:
400KG @ 11:35 AM

DRUM 3 CYCLE
255.0KG @ 2:35 PM
(47.0KG USED)

DRUM 1 CYCLE
350.5KG @ 12:35 PM
(49.5KG USED)

DRUM 2 CYCLE
302KG @ 1:35 PM
(48.5KG USED)

2

THE TESTING PROCESS

To start the test, the time and overall weight of the pallet with all 3 drums was recorded at (400kg @ 11:35 am). This measurement was taken after priming and other preparation was done.

Drum #1 (untreated diesel) remained connected for 1-hour to record consumption rate (in kg). The weight was recorded to observe the amount of fuel that was consumed after a hour elapsed.

From here the valves were then switched onto drum #2 (**4+ Super Clean** diesel). Another hour passed and the weight of the pallet was recorded again. This process was repeated with drum #3 (**4+ Premium** diesel) to observe the consumption rates of the 4+ treated fuel. The data was recorded and results were calculated.

* CONTACT US FOR MORE CONTENT & INFORMATION ON HOW OUR TEST WAS CONDUCTED

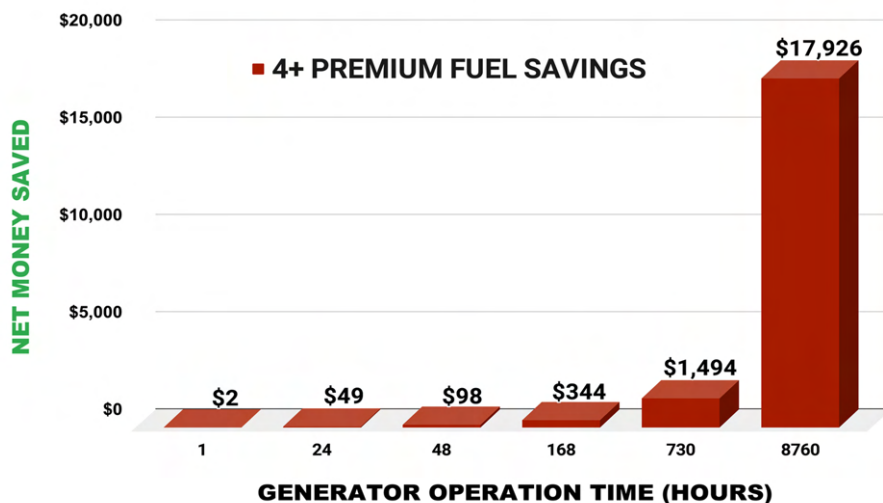
FUELING RESULTS



The difference in kilograms of fuel used between Drum #1 and Drum #3's session on the generator (as calculated in FIGURE 1), reveals the quantitative value that utilizing 4+ Super Clean and 4+ Premium may have on your power generation's fuel system. Moreover, this value can further support the tangible benefits and potential savings over extended periods (as seen in FIGURE 2) that our fuel additives offer.

We utilized a 3406 Caterpillar Generator to demonstrate our products' capabilities, but the reality is, our products work great on all diesel engines' fuel injection systems, with many other additives that will fit your specific power generation application.

4+ PREMIUM SAVINGS OVER TIME FIGURE 2



! TEST LIMITATIONS AND IMPROVEMENTS

1. OUR 4+ SUPER CLEAN WORKS BEST AFTER RUNNING THROUGH A SYSTEM FOR 12-TO-16 HOURS (DUE TO TIME LIMITATIONS, OUR TEST ONLY RAN THE SUPER CLEAN CYCLE FOR 1-HOUR STILL ACHIEVING 5% EFFICIENCY BOOST)
2. SAVINGS CALCULATIONS DO NOT INCLUDE POTENTIAL MONEY SAVED FROM EXTENDED LIFE OF FUEL SYSTEM AND FILTER LONGEVITY, WHICH FURTHER REDUCES MAINTENANCE COSTS AND DOWNTIME FOR REPAIRS

SAVE YOUR MONEY

IMPROVE PROFITS TODAY!

³ ALL CALCULATIONS ASSUME COST OF FUEL IS \$1.00/LITRE

⁴ COST OF TREATING FUEL WITH 4+ PREMIUM IS ABOUT 0.015¢/LITRE

4+ FUELS

5%
EFFICIENCY
BOOST ¹

\$3898 SAVED

OVER 1-YEAR (~2000HRS) OF
OPERATION ON TEST GENERATOR ²

FIGURE 1

CALCULATIONS

DRUM #1 = 49.5KG USED/HR
AFTER 1-HOUR SUPER CLEAN CYCLE
DRUM #3 = 47.0KG USED/HR
DIFFERENCE = 2.5KG LESS USED/HR
¹(2.5/49.5KG = 5% LESS FUEL USED)

- APPROX. HOURS IN 1-YEAR PERIOD: (~2000HRS)
- CONVERSION: (1KG = 1.14L DIESEL FUEL)
- 50KG PER HOUR MEANS 114,000L WILL BE USED OVER THE 1 YEAR: (50KG x 1.14L x 2000 = 114,000L)

²SAVINGS FROM USING 4+ TREATED FUEL:
(114,000L x 5% SAVINGS) x ³(\$1.00L)
= \$5700 - *\$1802 = \$3898

* 52L OF 4+ PREMIUM WILL BE REQUIRED TO TREAT 114,000L OF FUEL; 52L OF 4+ PREMIUM FOR \$34.66 PER LITRE (10L JUG PRICE) = \$1802

CALCULATE YOUR POTENTIAL SAVINGS

1. FIND CONSUMPTION ____ L PER 1-HOUR OF MACHINE OR SIZE IN ____ L OF YOUR BULK TANK
2. I RUN THIS MACHINE ____ HOURS PER YEAR OR I FILL MY BULK TANK ____ TIMES A YEAR
3. MULTIPLY ANSWERS 1. BY 2. WITH 5% TO FIND GROSS SAVINGS (DOES NOT INCLUDE 4+ COST)