

Re: diesel fuel vs. heating oil

Source: <http://sci.tech--archive.net/Archive/sci.chem/2007-04/msg00140.html>

- *From:* "Ron Jones" <ron@xxxxxxxxxxxxxxxx>
 - *Date:* Sat, 14 Apr 2007 13:09:10 +0100
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"C.D. Koger" <cdk@xxxxxxxxxxxxxxxx> wrote in message
[news:evkpl1\\$2k\\$1@xxxxxxxxxxxxxxxx](mailto:news:evkpl1$2k$1@xxxxxxxxxxxxxxxx)

"Ron Jones" <ron@xxxxxxxxxxxxxxxx> wrote in message
news:461d29dd.0@xxxxxxxxxxxx

What heating oil?? There is more than one grade, certainly here in the
UK.

IIRC the cheapest red is not the same as white. The next grade up is
somewhat similar (I think that's the 35sec one – not sure). But it has
to
be said that the common rail diesel (and I have a Ford Mondao one) is
more
fussy in respect to the fuel it needs, and plain red is likely to cause
problems with long use. It is known that you can dilute white diesel
with
bio diesel(*) – but the recommended max for common rails is only 5%.

Whereas

if one took an older engine (such like I use in my boat – 3cyl normal
aspirated, standard injection Mitsubishi), you can run with almost
anything
(I use red, of course as it's still allowed for a while longer). Note

that

some countries take a very dim use on illegal usage of red (UK

especially –

that's why red diesel sales are very carefully monitored), and it's very,
very easy for a "road test fuel unit" to tell how much red is in the tank
(test by g.c. – colour is not the deciding factor, there are fingerprint
chemicals added to red to allow a quantitative assay).
(*)Bio diesel is not the same as vegetable oil – proper bio diesel (as

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recognized by UKRC) is veg oil where all the esters have been transesterified to methyl esters.

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Ron Jones

Process Safety & Development Specialist

Don't repeat history, unreported chemical lab/plant near misses at

<http://www.crhf.org.uk>

Only two things are certain: The universe and human stupidity; and I'm

not

certain about the universe. ~ Albert Einstein

"Uncle Al" <UncleAl0@xxxxxxxxxxxxxxxx> wrote in message
news:461D2AFB.54C23FB4@xxxxxxxxxxxxxxxx

"C.D. Koger" wrote:

My new common rail turbo diesel got its first tankful of heating oil

today.

Started like normal, drove like normal. Here in Europe, heating fuel is coloured red to facilitate customs inspection because it is more than

50%

cheaper than diesel fuel.

I recall from my highschool days that the liquids are identical except

for

the added colour, but people around me keep telling that there are differences, like necessary additives in diesel fuel, although no one

can

tell me what these are and what purpose they serve.

There are 2 kinds of diesel fuel available nowadays, with or without

sulphur. Again, no difference in performance, smell or colour, only in price.

Re: diesel fuel vs. heating oil

Your expert opinion please.

Diesel may contain microbiocides, have tight specs for water content, and otherwise respect fuel injectors and cylinder valves. Furnace fuel may not perform well in the long run. Physical reality aside... the State will whack your pee-pee for cheating it out of its mandated revenues.

When a ship sinks the only people guaranteed to drown are those chained to its oars.

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Uncle Al

<http://www.mazepath.com/uncleal/>

(Toxic URL! Unsafe for children and most mammals)

<http://www.mazepath.com/uncleal/lajos.htm#a2>

In this country, things are a bit different. Being an emerging state, laws are mass produced but rarely enforced. The government promises to do a lot more than just whack your pee-pee if they catch you, but they lack the means

to do the analysis and forgot to order whips. The whole law enforcing system

still depends on anonymous phone calls only. And of course rumours of severe

punishment as a deterrent.

The gas station offers 4 refinery products that I think are identical.

There

is the red heating oil I already mentioned, and the colourless (yellow) diesel fuels with or without sulphur. The latter is labelled 'Euro diesel',

presumably for tourists. The 4th type is blue diesel, only available to those who have a license to buy it, like fishermen. It was introduced a number of years ago when fishing boats blocked harbours in protest about the

rising fuel costs. To avoid that fishermen switched from fishing to fuel redistribution they got a booklet where all fuel purchases are entered and confirmed by the seller. It is generally believed that the government checks

the amounts purchased against the amount of fish they legally sell, so the knife cuts both sides there.

But back to physics and chemistry.

Uncle Al's two sentences both contain the word 'may', that might also have been 'may not'. The only thing I'm sure about is that in winter the fuel companies are supposed to mix some lighter gasoline fractions with diesel fuel to reduce viscosity. They are also supposed to change the mixture of butane/propane, but that would force them to store butane several months.

The low pressure in my gas tank on a cold winter day is evidence that they deliver these gases in the same ratio throughout the year.

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That diesel fuel and heating oil both contain water is of course a fact.

My

car has a water separating fuel filter: the maker even took the trouble to put a sensor in it that controls a dashboard warning light saying it's time

to press the bleeding valve.

That biodiesel differs from salade oil is clear. I use my wife's oil bottle

for the chainsaw and would never use it in the car because it is more expensive than diesel and has a higher viscosity.

I take it that you are not in UK then! Lucky you – your post suggests you have posted via Croatian Telecom Inc.

If you are going to use poor diesel then I would suggest something like FuelSet (I use it on the boat engine with great success)

<http://www.liquideng.com.au/fuelset.html>. Kills all the bugs, and helps prevent water separating out.

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