



Version: July 29th 2009

SpeedHeat Heating Oil Q&As

Q What are the key benefits of SpeedHeat Heating Oil?

A SpeedHeat Heating Oil lowers carbon build-up; stabilises fuel; inhibits sludge formation; keeps fuel fresher, for longer; reduces service problems and improves system efficiency

Q How does SpeedHeat Heating Oil work?

A SpeedHeat Heating Oil has special ingredients that help avoid fuel degradation, deposits and other operating problems that routinely occur

Q Can I mix SpeedHeat Heating Oil with the kerosene in my tank?

A Yes, they will be completely compatible. Depending upon how much regular kerosene is already in you tank, the full may benefit may not be achieved until the second fill-up

Q Will any warranties on my boiler and equipment be affected?

A No, the product meets the same Fuel Standard (BS2869C2) as normal kerosene and therefore should not have any effect on any warranties

Q Will there be any adverse effects to the product in very cold or very hot temperatures?

A No, SpeedHeat Heating Oil will not be effected by extremes of weather, in fact this fuel will remain fresher for longer in very hot temperatures

Q I have read that SpeedHeat Heating Oil works by avoiding deposits and operating problems that can occur, but does it also instantaneously burn better in an existing clean system or have a higher energy content (e.g. calorific value)?

A No, SpeedHeat Heating Oil has the same energy content as regular kerosene. It works by avoiding fuel degradation, deposits and other operating problems that routinely occur with systems operating overall several weeks. Instantaneous combustion improvers often have side effects that can cause damage to your boiler. SpeedHeat Heating Oil does not contain them.

Q Will SpeedHeat Heating Oil be compatible with my boiler and do I need to consult my boiler engineer or boiler manufacturer first?

A SpeedHeat Heating Oil meets the same BS 2869C2 specification and is therefore compatible with your boiler if you are currently using regular kerosene. You do not need to consult your boiler manufacturer or heating engineer before using



Version: July 29th 2009

SpeedHeat Heating Oil Q&As (Continued...)

Q I have told my boiler engineer about SpeedHeat Heating Oil and he has some technical type questions that I cannot answer. Is there anyone we can talk to who can answer his questions?

A Yes. Please let me know what the question is as I have some notes here that may be able to help. If not I can put you in touch with someone who will be able to address these questions.

Q I have just taken delivery of SpeedHeat Heating Oil and forgot to ask a question at the time I ordered it. I normally also use Topanol as I have an AGA and wondered whether SpeedHeat Heating Oil will do the same job?

A Topanol active ingredients are anti-oxidants. Some of the SpeedHeat Heating Oil components are also anti-oxidants and are designed to work in a similar way. The presence of anti-oxidants help AGA deposit/carbon build-up type problems but is not guaranteed to cure all problems – just as in the same way Topanol is not a guarantee. They will however help. SpeedHeat Heating Oil also contains many other components that take reduce Char Value, improve operating efficiency and reduces the risk of boiler breakdown.

Q Can I extend my boiler service intervals if I use SpeedHeat Heating Oil?

A We recommend boilers are serviced at the prescribed service intervals e.g. every 12 months as safety and emission checks are also included in these procedures. Your heating engineer may notice lower levels of deposits after running on SpeedHeat Heating Oil.

Q How long does it take for SpeedHeat Heating Oil to start providing the benefits?

A Depending upon how much regular kerosene is already in the storage tank, the full benefit may not be achieved until the second fill-up. SpeedHeat Heating Oil can be diluted by up to 40% (by volume) and still do its job effectively. The time taken for SpeedHeat Heating Oil to start making a difference depends upon the weather conditions and fuel consumed. In most cases, it will start to work in just a few weeks.

Q Many technical folks believe in-service problems are dictated by a fuel's Char Value (IP 10 Method). Does SpeedHeat Heating Oil have a lower Char Value?

A Although some in-service problems have been attributed to high Char Values, we believe that the results from this test are highly variable and there is only a weak correlation with real world performance. The standard of boiler servicing is a key factor. Yes, SpeedHeat Heating Oil does generally have a lower Char Value than regular kerosene from similar sources.

SpeedHeat Heating Oil

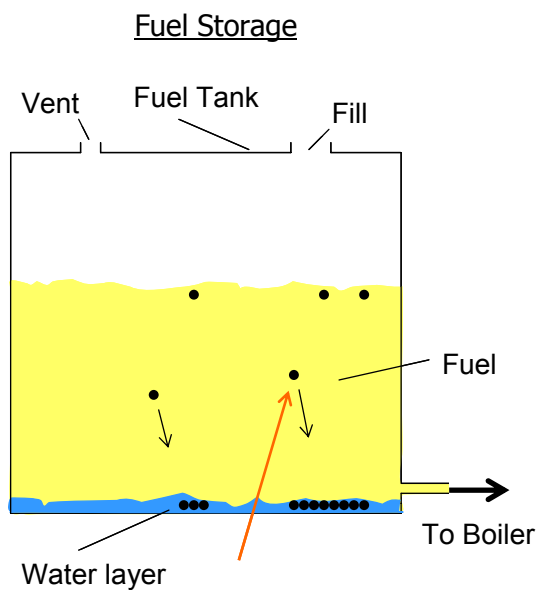
Description

Liquid, multi-component, kerosene based improved performance heating oil with extensive field experience

Application

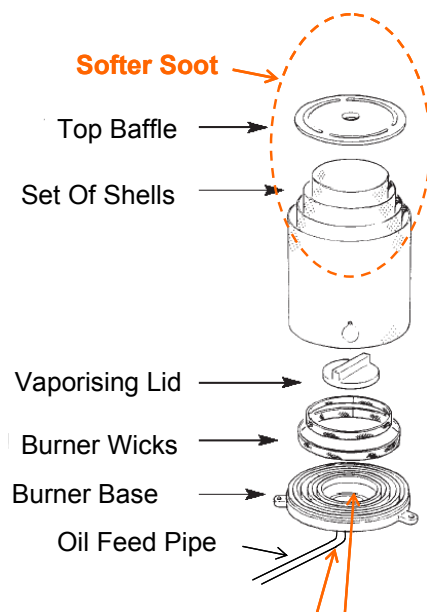
This unique fuel contains a combination of components to help maintain quality, reduce fuel related service problems as well as enhance performance.

Typical Heating Oil System Problems



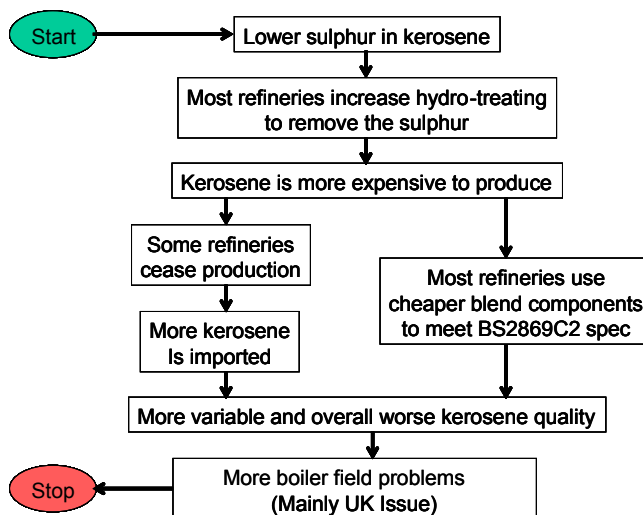
Over time and/or heat (e.g. summer) small oxidation deposits form in the fuel, sink to the bottom and stick together to create sludge

Vaporising Burner (e.g. AGAs)



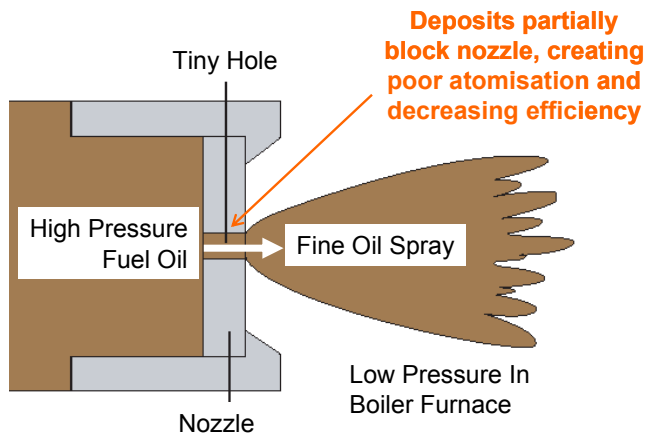
Harder deposits grow between services, can restrict fuel flow and be difficult to remove

Boiler Problems Are Increasing Due to Fuel Quality Changes

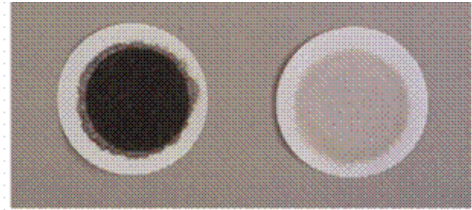


SpeedHeat Heating Oil Continued...

Pressure Jet Burner



Results of F21-61 Stability Test



Typical Heating Oil (Untreated)

SpeedHeat Heating Oil

SpeedHeat Anti-oxidants system inhibits the growth of deposits caused by fuel reacting with oxygen in the air.

Protection Against Copper Degradation



Heating Oil will darken and degrade over time, when in contact with the copper lines in heating oil systems

SpeedHeat Metal Deactivator is designed to reduce fuel degradation caused by the interaction with metals in the fuel system

Typical Heating Oil (Untreated)

SpeedHeat Heating Oil



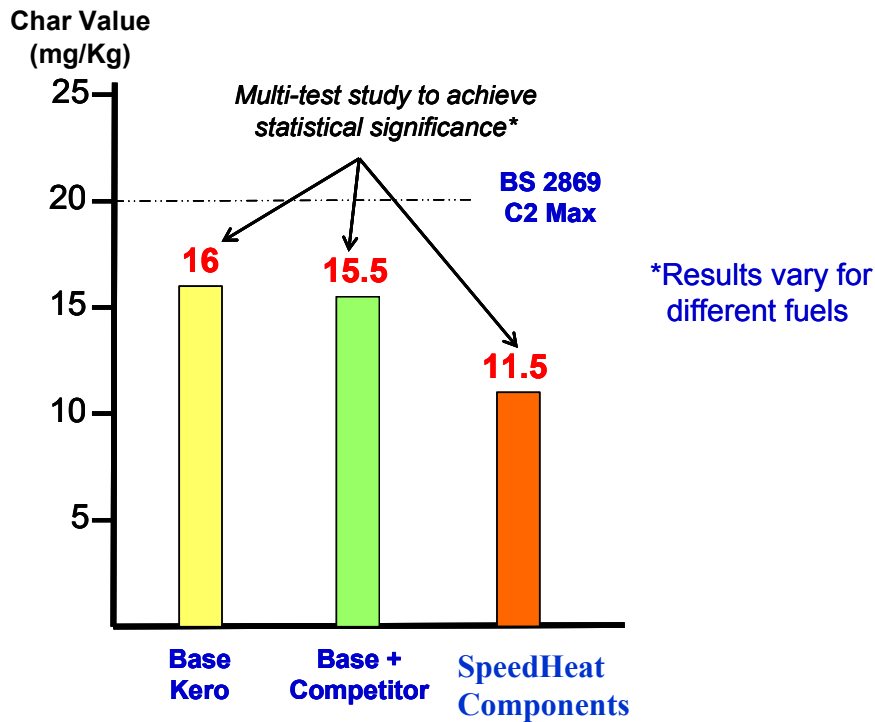
Winter Season Service Call Field Trial Results (Sept To April)

	Year 1 (Regular Kerosene)	Year 2 (SpeedHeat)
Heating Oil delivered	6.1 million litres	5.2 million litres
Number of boiler breakdowns	499	419
Number of fuel related causes	117	80
Fuel causes per million litres	19.2	15.4
Reduction in fuel causes		20% approx

SpeedHeat Heating Oil Continued...

Char Value

SpeedHeat Heating Oil contains components that lower Char Value



SpeedHeat Heating Oil Heating Oil Additive Benefits

- Lowers carbon build-up
- Stabilises fuel
- Inhibits sludge formation
- Keeps fuel in contact with copper pipes fresher, for longer
- Reduces service problems
- Improved performance