



THERMAL FLUID SOLUTIONS



HTfluidfit service

For the maintenance and safety of thermal fluids

HTfluidfit is a revolutionary, proactive service for the maintenance and safety of thermal fluids; it offers a real alternative to the costly and time-consuming process of fluid disposal and re-filling of systems. Using state-of-the-art fluid conditioning rigs, fluids are maintained at their optimum condition with the potential to extend fluid life by a factor of 10 or more!



TFS state-of-the-art ATEX certified fluid conditioning rig.

HTfluidfit offers:

- Reduced risk and improved safety
- Guaranteed flash and fire points
- No system downtime
- Extended fluid life
- Reduced waste
- Consistent heat transfer performance
- Consistent viscosity and vapour pressure
- Reduced carbon footprint

Get in touch

For more information, discuss any specific requirement or to request a quote, call Thermal Fluid Solutions on **00 44 (0) 1298 815862** or **0800 9179274 (UK)** or email us on **office@thermalfluidsolutions.co.uk**

Call in the experts...

Many process industries use thermal oil to transfer heat around the process plant. However, these oils degrade over time due to factors such as high temperatures, high film temperatures and oxidation causing loss of thermal efficiency, increased flammability, cavitation, mechanical failure, system downtime and associated cost. More importantly, when combined with other system conditions, plant safety can be drastically compromised – and it is now a legal requirement to maintain minimum flashpoints.

For many companies the traditional solution to the degradation problem is to periodically replace thermal oil. The sampling and analysis of the fluid is a requirement within the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR is the UK implementation of the EU ATEX Directive) and the fluid must be conditioned or changed when the fluid falls out of specification. Similar regulations apply in other EU countries. Unfortunately, this reactive process requires the expense of replacing huge amounts of oil resulting in long periods of downtime whilst the system is drained and then re-filled.

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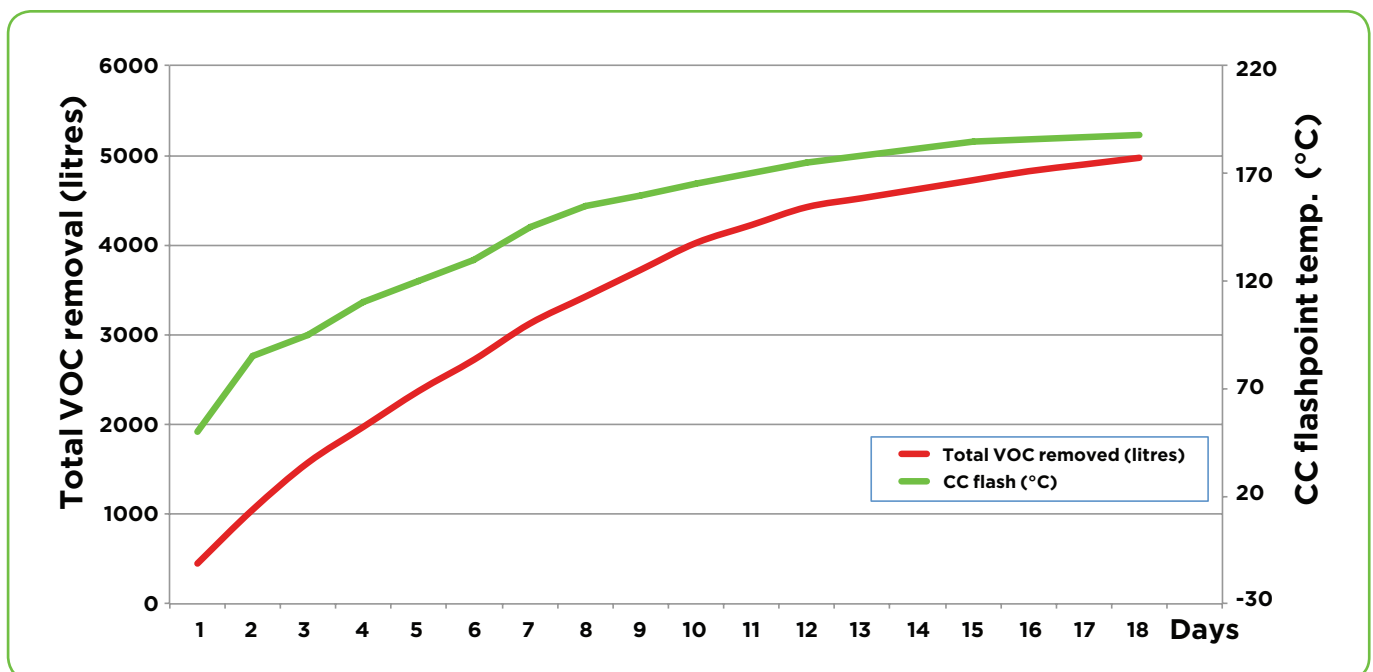
factor of 10 or more! Processes remain up and running and the expense of purchasing new oil is avoided. The rigs work by reconditioning the existing oil via the systematic inline removal of volatile organic compounds (VOCs), returning the oil to a safe condition. Based on the innovative 'flash evaporation' technology developed with patented technology from many years of engineering, the rigs are an ideal way to keep your process safe and cost-effective.

Quality in design and build

TFS has joined forces with Endress+Hauser to develop, manufacture and supply the HTfluidfit flashpoint recovery rigs. With over 60 years of process automation experience, Endress+Hauser has the knowledge and industry experience to provide quality engineering solutions backed by an excellent maintenance and support network across the globe.

Did you know?

Last year, we processed **1,938,500 litres of oil** on **55 different systems operating in 15 different countries**. This represents a customer saving in the cost of replacement oil and synthetic HTMs in excess of **£4.3 million** - not including the hidden costs of waste disposal and process downtime!



Typical thermal oil flashpoint restoration using TFS FPR system. (Data from a 100,000 litre mineral oil system).

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