



FOGMAKER

INTERNATIONAL AB

Fire Suppression System

Protect Lives and Equipment
Forestry

Pure Performance with Triple Action

Safety shouldn't be a Compromise

THE CHALLENGE...

The combination of wood chips, chippings and bark that whirl around, hydraulic oil, fuel, and high temperatures constitute a high fire risk for forest machines. In addition, these machines often work in distant areas and the progress of a fire is dependent on the operator's ability to put it out.

Most fires in vehicles with combustion engines start in the engine compartment - a place where a fire may not be discovered until it is a blaze and almost impossible to suppress with a hand-held fire extinguisher. To make it worse, a fire in a forestry machine can spread to surrounding areas and burn down the entire forest.

In battery-electric vehicles, both thermal runaway and components can be fire initiators, and research presented at the 2023 FIVE conference shows 50-60% of EV fires never involve the battery itself. Fogmaker works through preventing a fire from reaching the battery, and if a battery should catch fire, the Fogmaker system cools it and gives time to evacuate.

...AND SOLUTION

Fogmaker has decades of experience in detecting and suppressing fires, and the system will provide the best possible fire protection performance if there is an emergency. The system is tailored to each machine model and energy source.

The specially formulated water-based mist protects engines, hydraulic components, and similar at-risk areas. **The system is always active, fully automatic, and independent of electricity. It has a great cooling effect due to a long emptying time, and this prevents re-ignition.**

The Fogmaker system has a large number of international certifications and our new Eco1 Fluid is 100% PFAS free, Greenscreen Certified at the silver level, and R107 approved.

Find a distributor near you, or read more about the system and what we can do to help protect lives and equipment on our website:
www.fogmaker.com



"From 870 °C to 136 °C in 10 seconds!"



+870 °C
0 sec

5 sec

+136 °C
10 sec

Unique cooling effect; temperature reduction of 734 °C in 10 seconds!

Fire suppression test in a simulated engine compartment with a volume of 2,5 m³. The fire source consists of four 20 x 40 cm trays filled with diesel. Diesel spray is also applied at a rate of 2 liters per minute at a pressure of 5 bar. The heat effect reaches approximately 1,600kW. The pictures are taken with 2 second intervals. During the whole interval, 10 seconds, approximately 7 dl suppressant is used.



Fully automated, always active, and independent of electricity.

Fogmaker Benefits



Choice between several piston accumulator sizes for greater flexibility.



Easy installation.



Simplicity – no power supply, position independent, and requires minimal space.



Triple Action³ – attacks all three sides of the fire triangle.



Automatic engine shutdown (optional).



Great cooling effect and long emptying time, which prevent re-ignition and down-time.



System monitoring – activity, low pressure, and fire alarm.



Low Life Cycle Cost – annual inspection, 5 year service 10-year service.



Quality and environmental certifications. IATF-16949.



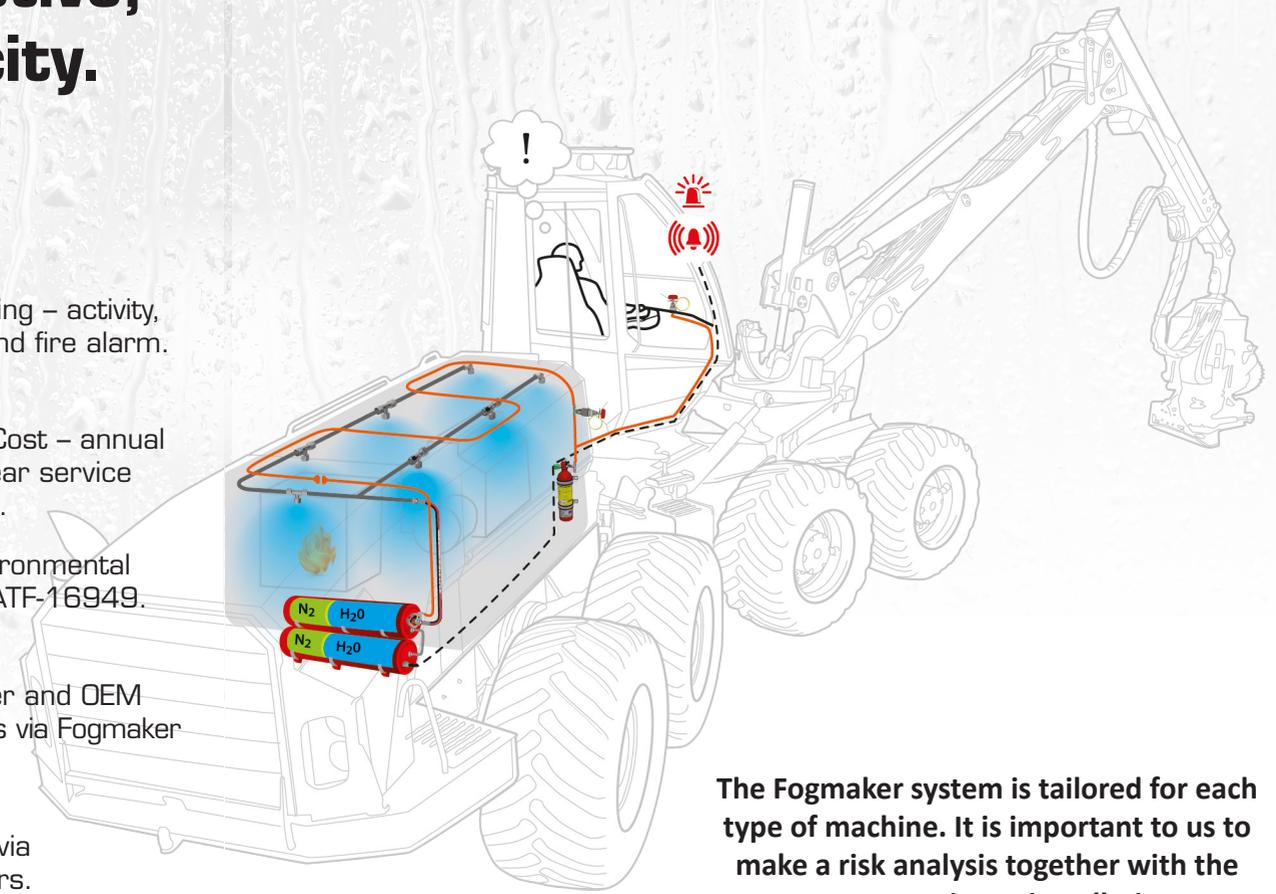
Certified Partner and OEM training courses via Fogmaker Academy.



Global network via certified partners.



Free technical support.



The Fogmaker system is tailored for each type of machine. It is important to us to make a risk analysis together with the customer prior to installation.



CONSCIOUS DESIGN

Position independent and small-sized pipes and space-conscious design.



OUTSTANDING EFFICIENCY

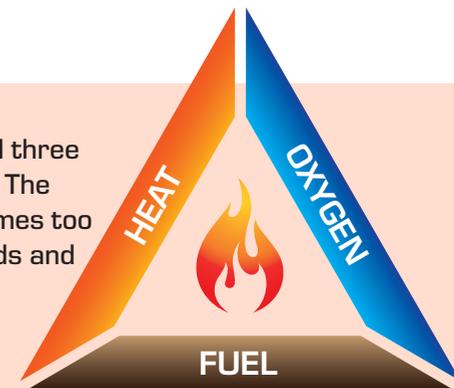
Choking and cooling time at least double compared to other certified systems*



MINIMAL DOWNTIME

Quick recharging for minimal downtime.

Fogmaker's fire suppression system handles all three sides of the fire triangle: heat, oxygen, and fuel. The system deploys when the protected area becomes too hot, and sprays a water-based mist that expands and chokes the fire. The mist also cools the area for a long time, which prevents re-ignition. 100% PFAS-free with our new fluid: Eco 1.



*Result of the SP4912 testing method

THE IMPORTANCE OF SERVICE

The Fogmaker Fire Suppression System is designed to save lives and protect property. The system is sturdy and reliable, but requires regular service to ensure it will be deployed when needed. Service can only be done by accredited technicians.

Service intervals can vary depending on type of machinery, but most systems require an annual service, a five-year service, and a more extensive ten-year service. Some systems installed in heavy-duty environments may need to be serviced more often.

It is important to adhere to these intervals. If there is a fire, many insurance companies will not pay if the fire suppressing system hasn't been maintained. Also, Fogmaker gives a two-year warranty from the manufacturing date, but the warranty is void if the system hasn't been serviced.

Accredited technicians have gone through a course at Fogmaker Training Academy, and will be able to show an ID card or a certificate. If you need help finding a technician, visit www.fogmaker.com to find our partner in your country. They can help you locate a technician near you.

The Fogmaker system has a low Total Cost of Ownership, and following the service guidelines will ensure that your system will last and be reliable for many years to come.

You can budget for service, but not for a fire!

SERVICE SCHEDULE

1

The Annual Service

Must be performed the first time within a year \pm 2 months after installation date.

5

Five Year Service

Five years after the manufacturing date. The service includes replacement of fluids and pressure gauge.

10

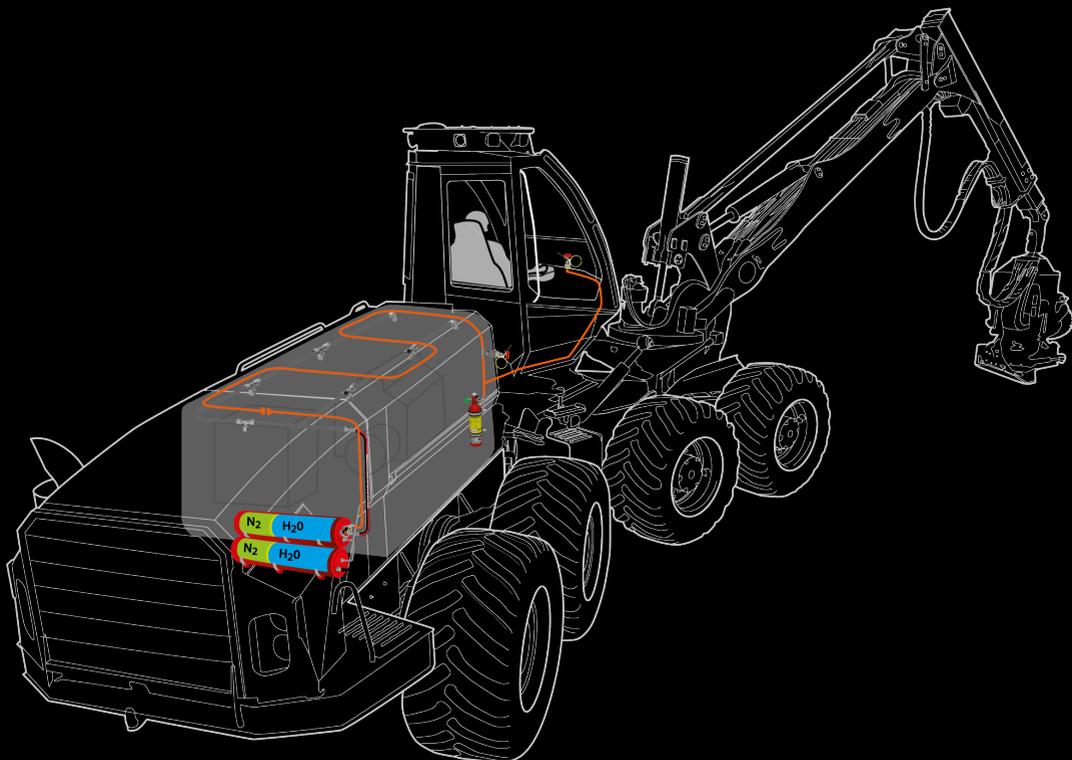
Ten Year Service

Ten years after the manufacturing date. During this service, items like detector bottle and gaskets are replaced.



FOGMAKER

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ACTIVE 24/7

The system is always ready.
No power supply needed.



LESS DOWNTIME

Quick recharging for
minimal downtime



INTERNATIONAL NETWORK

Global distributor presence and
local knowledge

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