

CLAIMS:

1. A fuel system for an engine of a marine vessel, the fuel system comprising:
a settling tank for cleaning fuel for the engine;
5 a service tank for storing fuel for the engine; and
a filtration system comprising a first filter through which fuel flowing from the settling tank to the service tank passes;
wherein the filtration system is configured to be operable in a first mode in which the first filter removes contaminants from fuel flowing from the settling tank to the service
10 tank, and in a second mode in which fuel flows from the service tank through the first filter to dislodge the contaminants from the first filter.
2. The fuel system of claim 1, wherein the filtration system comprises a second filter for removing the dislodged contaminants from fuel that has passed through the first filter
15 when the filtration system is operating in the second mode.
3. The fuel system of claim 2, wherein the first filter is connected to the settling tank via the second filter, whereby fuel from which the second filter has removed the dislodged contaminants is returnable to the settling tank.
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4. The fuel system of claim 2 or claim 3, wherein the filtration system comprises a collector for collecting the contaminants removed by the second filter.
5. The fuel system of claim 4, wherein the collector is removable from the filtration
25 system.
6. The fuel system of any one of claims 2 to 5, comprising a pump for pumping fuel through the second filter.
- 30 7. The fuel system of claim 6, wherein the filtration system is configurable to create a circuit so that the pump for pumping fuel through the second filter is able to cause fuel

to be passed through the second filter and back to the pump for pumping fuel through the second filter plural times.

8. The fuel system of any one of claims 1 to 7, comprising a pump for pumping fuel
5 from the service tank through the first filter when the filtration system is operating in the second mode.

9. The fuel system of claim 8, wherein the service tank is connected to the first filter
10 via the pump for pumping fuel from the service tank through the first filter.

10. The fuel system of any one of claims 1 to 9, comprising a valve through which
fuel flowing from the settling tank to the first filter passes, wherein the valve is for
controlling fuel flow from the first filter towards the settling tank.

11. The fuel system of claim 10, wherein the filtration system is configured so that
15 the valve is closed to prevent or hinder fuel flow from the first filter towards the settling tank, when the filtration system is operating in the second mode.

12. The fuel system of any one of claims 1 to 11, comprising a filtration system
20 controller for controlling the filtration system.

13. The fuel system of claim 12, wherein the filtration system comprises a sensor
configured to detect a condition of the first filter or a parameter of fuel at a location
between the first filter and the service tank and to send a signal to the filtration system
25 controller on the basis of the condition or parameter detected, and
wherein the filtration system controller is configured to cause the filtration system
to operate in the second mode on the basis of the signal.

14. A marine vessel comprising the fuel system of any one of claims 1 to 13.
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15. A method of operating a filtration system of a fuel system for an engine of a
marine vessel, the method comprising:

causing the filtration system to operate in a first mode whereby fuel flows from a settling tank of the fuel system to a service tank of the fuel system via a first filter of the filtration system, the first filter being for removing contaminants from the fuel; and
causing the filtration system to operate in a second mode whereby fuel flows from
5 the service tank through the first filter to dislodge the contaminants from the first filter.

16. A non-transitory computer-readable storage medium storing instructions that, if executed by a processor of a filtration system controller, cause the processor to carry out the method of claim 15.

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